

GORDON RIVER IMPROVEMENTS
MASTER PLAN
&
GOODLETTE-FRANK ROAD STORMWATER
OUTFALL IMPROVEMENTS MODELING
UPDATE & FEASIBILITY ENGINEERING STUDY

FINAL
December 2018

Prepared for: Collier County Stormwater Management

Executive Summary

The Gordon River watershed consists of approximately 4,432 acres and is bounded by the Crossings to the north, the Conservancy of Southwest Florida to the south, Airport Pulling Rd to the east, and US 41 to the west. Various areas throughout the Gordon River Extension (GRE) basin experience high water inundation conditions during heavy rainfall events. These areas include the Country Club of Naples, Forest Lakes, Pine Ridge Industrial Park, Poinciana Village, Golden Gate Parkway, and the properties west of GF Rd, north of Golden Gate Parkway, and south of Pine Ridge Rd. A hydrologic/hydraulic modeling analysis was performed on the basin to determine various solutions to eliminate or effectively reduce the inundation conditions. The existing conditions model indicated a poorly maintained stormwater infrastructure serving the GRE basin. After the modeling and analysis of various proposed scenarios, it is ABB's recommendation to implement the following eight improvements to relieve flooding scenarios throughout the basin; the Golden Gate Parkway AMIL Gate Weir Replacement, Goodlette-Frank Supplemental Outfall, Freedom Park Stormwater Pump Station, Freedom Park Bypass Ditch & Spreader Swale, Goodlette-Frank Ditch Improvements, Solana/Burning Tree Box Culvert Extension, Maintenance Access Road/ Seawall, and the Forest Lakes Rock Weir Replacement. The implementation of the proposed improvements provided a flood area reduction of approximately 400 acres within the basin. A cost benefit analysis for the proposed improvements is included within this document.

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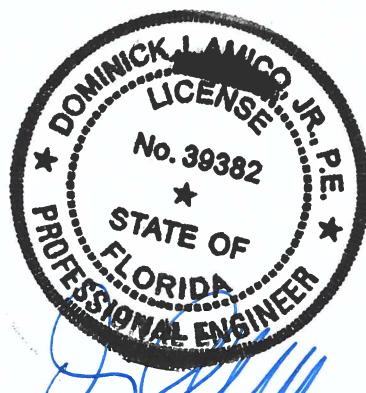
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DOMINICK J. AMICO, JR., P.E.
NO. 39382

DEC 12 2018

Introduction

Collier County entered into contract with Agnoli, Barber, & Brundage (ABB) for the development of a stormwater improvements master plan for the Gordon River Extension (GRE) basin. The Gordon River originates north of Pine Ridge Industrial complex and ultimately outfalls into the Naples Bay. The goal of this master plan was to develop a conceptual design for necessary improvements along the Gordon River that would help remedy flood prone areas within the basin. During the process of developing the hydrologic-hydraulic model, Hurricane Irma hit Southwest Florida and caused significant flooding throughout the basin. Some homes flooded and many streets were submerged for days after the storm event. Historic flooding within the basin in conjunction with the impact of Hurricane Irma resulted in a slight change in direction for scope items in this master plan. Additional focus was given to expand the existing model for the Goodlette-Frank Rd (GF Rd) ditch and its neighboring communities. The outfall location of the Gordon River was extended further south between the Naples Zoo and the Conservancy of Southwest Florida. An additional outfall from GF Rd was also included to connect to the Gordon River between the Naples Zoo and the Conservancy to increase the accuracy of the basin modeling. A separate work order arose for the update of the GF Rd ditch portion of the existing model and improvements conceptual design. However, both the Goodlette-Frank Road Stormwater Outfall Improvements and Gordon River Improvements Master Plan projects were modeled simultaneously to create the most accurate analysis of the Gordon River Basin, both projects are addressed in this report.

For ease of reference, both the Goodlette-Frank Road Stormwater Outfall Improvements and Gordon River Improvements Master Plan projects have been broken down into sections in the *Gordon River Extension Project Sections & Construction Phasing Sequence (Exhibit 1.)* in **Appendix A**. The *Gordon River Extension Drainage Basin Map (Exhibit 2.)* illustrates the Gordon River Extension Basin, all of its sub-basins, each sub-basin's runoff area, and the approximate locations of each sub-basins outfall.

Model Information

The existing conditions model was updated from the August 2015 model developed for the *Hydrologic Modeling Summary – Gordon River Extension* by ABB. XP Stormwater & Wastewater Management Model (XPSWMM) is the hydrologic and hydraulic modeling software used to model the GRE basin. All elevation information was input into the model in the National Geodetic Vertical Datum of 1929 (NGVD 29). Furthermore, the *LIDAR Map (Exhibit 4.)* data was converted from the North American Vertical

Datum of 1988 (NAVD 88) to NGVD 29 prior to input into the model. The various rainfall events simulated within each model are provided in the table below:

Storm Event	Total Rainfall (in)
10 Year - 3 Day	9.51
25 Year - 3 Day	11.55

The August 2017 rainfall event prior to Hurricane Irma and the associated stage data was used for the model calibration. Furthermore, the existing conditions model was calibrated according to the road crown elevations, edge of pavement, and highwater marks presented in the *Gordon River Extension Road Crown Elevation Map (Exhibit 3.)* in **Appendix A**. All stormwater structures in the existing conditions model were updated either from Collier County's Stormwater GIS or survey data. Survey data was collected along the Gordon River from north of Pine Ridge Rd, approximately 360ft south of J&C Blvd, down to Golden Gate Pkwy, along the GF Rd ditch from Pine Ridge Rd down to Fleischman Park, through the Conservancy of Southwest Florida outfall into the Gordon River, and through the Freedom Park ditch outfall into the Gordon River. The existing condition model's natural cross-sections were updated with the recent survey data.

A canal is located on the west side of GF Rd to the east of Fleischmann Park. Flow from this canal can either continue further south along GF Rd or under GF Rd to the outfall at the Conservancy through triple ellipse pipes. It should be noted that modeling south of this canal is not part of this project's boundary and was not included in the modeling effort. The Gordon River continues further south than what is depicted in the *Gordon River Extension Drainage Basin Map*. Furthermore, additional outfalls into the Gordon River exist from GF Rd. For modeling purposes *all* runoff leaving the canal at Fleischmann Park is directed through the triple ellipse pipes that convey stormwater east to the Gordon River.

The *Link & Node Map (Exhibit 5.)* provides a location of each link and node in the existing conditions model for ease of reference. Nodes may physically represent manholes, inlets for a catchment, a junction of links, a pond, an outfall, or provide storage. Links represent open channels, closed conduits, pumps, weirs, orifices, or other special structures between two nodes.

Existing Conditions

Refer to **Exhibit 1.** for the discussion of the following existing conditions. **Exhibit 6.** depicts the existing conditions node maximum stages for the 25 Year – 3 Day storm events. In addition, the node and link results are provided in table format in **Appendix B.** for the 25 Year - 3 Day storm event.

Section A

Section A is defined as the area in the upper Gordon River North of Pine Ridge Rd from approximately 360 ft south of J&C Blvd to Pine Ridge Rd. This section is bordered by the Pine Ridge Industrial Park to the east, the Crossings, and Autumn Woods communities to the west. This area has the potential for a large conveyance, but also serves sub-basins with a large percentage of impervious area. Maintenance is challenging within this section since access easements only exist to the rivers top of bank, therefore, maintenance must be performed by boat. The channel bottom is shallow and the storage volume has been compromised by silt and vegetation growth. There may be potential to widen the easement in this area and create a maintenance access road. The main concern for this basin is maintenance and dredging, downstream improvements will lower its stages and lessen flooding potential.

Section B

Section B spans the Gordon River from Pine Ridge Rd to the southern property line of the Forest Lakes community, just upstream of the Forest Lakes rock weir. This section passes all flows from Section A, in addition to the runoff from approximately half of the Country Club of Naples and all of the Forest Lakes communities. The Forest Lakes community stormwater management system was implemented prior to the water management regulations set forth by the South Florida Water Management District. The community was built at a lower elevation than that of the newly developed surrounding areas and has experienced street flooding issues for the past 40 years. The original design of the Forest Lakes community through this portion of the Gordon River are shown in plans by Black, Crow, & Eidsness, Inc. (1976) and indicate that three earthen dams exist, decreasing in elevation from north to south. Furthermore, a lake exists upstream of each earthen berm where water pools prior to flowing downstream. This water must stage up above each earthen berm and flow through a drastically constricted channel (downstream of the berm) to flow south. These three

berms create a cascading system in series that reduces the amount of conveyance possible through the river.

The Gordon River is covered by a drainage easement through this section which can be seen on the *Gordon River Extension Vegetation Map* (**Exhibit 7.**), the western bank of the river provides roughly ten feet between the easement and the top of bank. The eastern bank of the Gordon River borders residential properties and contains many boat docks and river access points. **Exhibit 7.** also indicates the extent of exotic vegetation overgrowth on the western bank of the river. This overgrowth consists primarily of Brazilian pepper that further constricts the channel and increases the difficulty of maintaining this section of the river.

Section C

Section C of the Gordon River runs from the southern property line of Forest Lakes community to the southern property line of the Royal Poinciana Golf Course. This reach is bordered by the Country Club of Naples, Royal Poinciana Golf Course, Hole-in-the-wall, and Wilderness. The Forest Lake rock weir is located at the north end of this section (pictured below).



The current rock weir spans the channel at approximately 40 feet long with a weir crest elevation of 6.0 ft NGVD. Since the rock weir is essentially an earthen berm and not an operable water control

structure, all upstream flow must stage up to 6.0 ft NGVD and constrict to a 40-foot-wide channel to continue downstream. The Forest Lakes community is considered to be low-lying and has had historical flooding issues with this weir in place, it is suspected that the weir elevation does not provide enough freeboard in comparison with the community's average grade.

The channel section downstream of the rock weir was recently improved with rip-rap protection and this increased conveyance downstream. However, by comparison with the rest of the Gordon River, it is not only too narrow but also too high in elevation. Current flow conditions or any proposed improvements upstream that increase the flow will be throttled through this portion of the river. South of the Royal Poinciana bridge, the river widens and runs along the Royal Poinciana golf course where it serves as a water quality treatment area with undulating natural banks, littoral plantings, and native vegetation. Silt build up is evident through this water quality area thereby limiting the channel capacity.

Section D

Section D incorporates the southern property line of Royal Poinciana Golf Course to the north side of Golden Gate Parkway. It is bordered by the Wilderness community to the west, a large natural area to the east in the Estuary at Gray Oaks, and Freedom Park to the southwest. Although the channel banks are shallow through this section of the river, this preserve area accommodates a greater flow capacity. **Exhibit 8.** illustrates the capacity of the Gordon River through section D. The black hatched area in the enlarged section view represents the 25 Year – 3 Day modeled maximum stage through this cross-section. The green hatch represents the equivalent modeled cross-sectional area that extends through the floodplain. The XPSWMM software uses vertical “glass walls” to contain flow and stack up within the cross-section rather than spilling out over the sides and becoming a source of model error. Since the stacking up of flow is not realistic, the equivalent area was used to depict a more realistic stage through this section of the river. The approximate 25 Year – 3 Day stage is 5.23 ft NGVD, based on the floodplain storage/capacity in this section, it has been determined that no additional capacity is needed.

Section E

Section E is tidally influenced, and spans from Golden Gate Parkway to the outfall at the Conservancy. This section of the Gordon River is bordered by the Naples Zoo and the Conservancy to

the west, and the Bears Paw community to the east. Four, 10 ft x 10 ft box culverts exist under Golden Gate Parkway just upstream of the existing AMIL gate. The box culverts are sufficiently sized to accommodate the flow in the river, however, they are susceptible to clogging during heavy wind and rain events by downed trees and debris. The existing AMIL Gate weir is outdated and in disrepair. The conveyance of the weir is not sufficient during heavy rain events and is a source of flooding in upstream communities. The design was originally meant to adjust automatically, allowing water out when needed and restricting backflow. However, County staff chains the gate open and manually lifts it out of the water to allow more conveyance in emergency situations. The AMIL Gate is the primary outfall structure for the entire GRE basin, if this structure can't pass the necessary peak flow, all upstream basins will continue to experience flooding issues.

Section F

The Royal Poinciana Swale runs from Coach House Lane and Poinciana Drive/Bolero Way, and outfalls into the main river on the east side at the southern Royal poinciana property line. It is bordered by Coco Lakes and Royal Poinciana Golf Course. The swale runs through the Coach House Lane community and is undersized. It frequently causes local street flooding in the Poinciana Village community. There is no additional area for swale excavation or expansion behind some of the homes in the area. Detailed survey information is needed within this area to determine precise channel limitations. The *Poinciana Village Outfall Branch Section Locations* (**Exhibit 9.**) highlights the existing cross sections in this area. These cross sections were modeled to assess the existing 5 Year and 10 Year storm capacity. The existing volume within the section is approximately 290,000 cf and has an average cross-sectional area of 47 sf. The existing channel can accommodate approximately 81% of a 10 Year – 3 Day storm event. To provide a 10 Year – 3 Day storm event level of service within the channel, an additional 11 sf of cross-sectional area, or 70,000 cf of storage is needed along the 6,070 ft long channel. A 10 Year – 3 Day storm event level of service would require a total cross-sectional area of 58 sf with a peak flow of 18 cfs.

Section G

Section G runs along the north side of Solana Road and Burning Tree Drive and includes the area from the west side of GF Rd to the outfall into the Gordon River. It is bordered by the Country Club of Naples community and the Royal Poinciana Golf Course entrance. Currently, this section acts as an outfall intercept, funneling water from the northwest side of the basin into the Gordon River. At

the northwest corner of GF Rd and Solana Dr, flow from the GF Rd ditch is split, either continuing south through a 24in RCP, or continuing east through a 76in x 48in ERCP. This drastic difference in pipe size indicates that flow from the northwest portion of the GRE basin is intended to be accommodated predominantly by section G. Flow continues east through a 4 ft x 8 ft box culvert, triple 36 in RCP at Burning Tree Drive, through a double 48in RCP, and finally outfalls into a natural channel that flows into the Gordon River. Flow conveyance through section G is constricted at Burning Tree Dr due to the transition from the box culvert to the triple 36in RCP and double 48in RCP further downstream. This section is causing unnecessary staging and flooding upstream along the west side of GF ditch. Furthermore, the Country Club of Naples community experiences significant flooding due to this constriction.

Section H

Section H initiates at the box culvert under GF Rd, extends through the Freedom Park ditch, and ultimately outfalls into the Gordon River. Flow is introduced to Freedom Park via the GF Rd ditch that accommodates runoff from the western sub-basins in the GRE. Once the stormwater flows through the 6 ft x 12 ft box culvert, it can enter Freedom Park by two routes. The stormwater can either be pumped into Pond A, by the park's stormwater pump station, or it can flow over the fabriform weir (weir crest elevation 6.0 ft NGVD), through the ditch, and ultimately outfall into the Gordon River. Water that is introduced into the park by the pump station will continue through a treatment train prior to its ultimate outfall into the Gordon River. Currently, the Freedom Park ditch is undersized and extremely overgrown. Approximately 2,000 ft downstream of the weir, the ditch is no longer defined. From here, all flow from the ditch continues to the Gordon River by overland flow. Historically, flows could freely pass through the Freedom Park ditch. In recent years, the Freedom Park Water Quality Treatment Improvements included the addition of the stormwater pump station and the fabriform weir. Since the implementation of these improvements, flow has since been restricted and reduced the ability to accommodate the runoff from the western sub-basins along the GF ditch. Freedom Park is a valuable resource to provide water quality treatment, stormwater storage, and conveyance for the northwest section of the GRE basin; unfortunately, it is being under-utilized.

Section I

Section I is comprised of the stormwater conveyance on the west side of GF Rd, starting north of Pine Ridge Rd and ending at Solana Rd. This portion of the GF ditch drains various communities to the north of Pine Ridge Rd and to the west of the ditch. Four road crossings are included within this section of the GF ditch; Pine Ridge Rd, Pompei Ln, Granada Blvd, and Solana Rd. Flow from the GF Rd ditch is split at the northwest corner of GF Rd and Solana Dr, just after the 66in RCP. This flow can continue further south through a 24in RCP, or continuing east, along Solana Rd through a 76in x 48in ERCP. The majority of the flow will continue east along Solana Rd, and is described further in section G above.

Section J

Section J includes the stormwater conveyance on the west side of GF Rd, starting at Solana Rd and ending at the box culvert that enters into Freedom Park. This portion of the GF ditch drains various communities to the west of the ditch, in addition to, the portion of flow that continues south from section I. These communities are prone to flooding as depicted by the high water marks shown in **Exhibit 3**. Four road crossings are included within this section of the GF ditch; Ohio Dr, Ridge St, Creech Rd, and 26th Ave N. Currently, 48in RCPs run under both Ohio Dr and Ridge St. These 48in RCPs constrict the flow downstream, thereby, preventing water to exit the western sub-basins. As part of the *West G-F Road Area Joint Stormwater-Sewer Project*, 4ft x 11 ft box culverts are to replace both 48in culverts. Further downstream, flow is constricted by a 54in RCP at Creech Rd and triple 36in RCPs at 26th Ave N. In addition, the existing GF ditch bottom is not uniform, does not provide enough capacity, and the inverts along this section are not configured to provide positive drainage downstream. To remedy flooding problems within the western sub-basins, these aforementioned issues need to be addressed.

Section K

Section K includes the stormwater conveyance on the west side of GF Rd, starting at the box culvert that enters into Freedom Park and ending at the outfall into the Gordon River through the Conservancy of Southwest Florida. This portion of the GF ditch drains a community to the west of the ditch, Naples High School, a portion of Golden Gate Parkway, a portion of GF Rd, the Coastland Center mall, Fleischmann Park, and the portion of flow that continues south from section J that is not accommodated by Freedom Park. This section of the GF ditch plays a major role in the flooding

events of the upstream sub-basins that rely upon outfalling into the ditch. Through section K, Golden Gate Parkway typically experiences ponding during heavy rainfall events. Flow is constricted through this section by the double 36in pipes that exist under both 22nd Ave N and an unmarked-grassed crossing to the east of Naples High School. Similar to section J, the existing GF ditch bottom is not uniform, does not provide enough capacity, and the inverts along this section are not arranged to provide positive drainage downstream.

Proposed Conditions

To analyze the proposed impact on the GRE basin, each proposed model scenario was compared to the existing conditions model (refer to **Appendix C.**). The tables provided in **Appendix C.** compare the average stage reduction within each project section. The average stage reduction is a comparison of the difference in average stage between the existing conditions and the proposed scenarios for each modeled storm event. A positive value indicates a stage reduction whereas a negative value indicates an increase in stage. In addition, this information was incorporated into chart format in **Appendix D.** that shows the impact of all modeled scenarios per each project section. These charts further illustrate the benefit of each scenario on a specific area within the basin. The proposed scenarios considered are provided below:

1. AMIL Gate Weir Replacement
2. Goodlette-Frank Supplemental Outfall & AMIL Gate Weir Replacement
3. Freedom Park Stormwater Pump Station & AMIL Gate Weir Replacement
4. Freedom Park Bypass Ditch & Spreader Swale & AMIL Gate Weir Replacement
5. Goodlette-Frank Ditch Improvements & AMIL Gate Weir Replacement
6. Solana/Burning Tree Box Culvert Extension & AMIL Gate Weir Replacement
7. Maintenance Access Road/ Seawall & AMIL Gate Weir Replacement
8. Forest Lakes Rock Weir Replacement & AMIL Gate Weir Replacement
9. All Proposed Improvements & Goodlette-Frank Ditch Improvements (NO Pump Station)

Priority Phase I - Section E

To remedy the issues experienced with the existing AMIL Gate located south of Golden Gate Pkwy, a new, fully automated, bottom-hinged crest gate is proposed in its place. Please refer to **Exhibit 10**, *AMIL Gate Weir Replacement (E.1)* for structure detail and section views in addition to the structure specifications table provided below.

AMIL Gate Weir Replacement Structure Specifications		
Description	Value	Units
Total Weir Length	80	ft
Weir Structure Crest Elevation	3.5	ft (NGVD)
Structure/Channel Bottom Elevation	-6	ft (NGVD)
Type of Gate	Bottom Hinged Crest Gate	--
Number of Gates	2	ea
Operation	Fully Automated	
Crest Gate Length (ea)	25	ft
Crest Gate Height (ea)	7	ft
Crest Gate Invert Elevation	-3.5	ft (NGVD)

Refer to the AMIL Gate Weir Replacement Exhibit for additional information & structure locations.

The existing AMIL Gate controls the tailwater for the entire GRE basin. Therefore, if more flow was able to be successfully passed through the proposed weir, it would drastically improve flooding issues of upstream sub-basins. Referring to the 25YR – 3DAY stage reduction table, max water stages were reduced in project sections C-H due to the implementation of the proposed weir replacement. Since the proposed crest gates are hinged at the bottom, the weir crest elevation can vary from -3.5 ft NGVD (fully open) to 3.5 ft NGVD (fully closed). Therefore, the crest gates can easily maintain or relieve the varying upstream stages that fluctuate throughout the year or be set to an elevation to prevent backflow/saltwater intrusion. The full automation provides faster and easy manipulation of the weir elevations remotely, thereby saving time during urgent flooding scenarios. A floating debris boom is recommended upstream of Golden Gate Parkway to prevent clogging and debris build up in the box culverts during heavy wind and rain events. Maintenance related activities will use the existing access area.

Priority Phase II - Supplemental Outfall

The *Goodlette Frank Supplemental Outfall* is a new outfall proposed to connect the GF ditch to the Gordon River. This outfall is proposed to be located south of Golden Gate Parkway in a 60 ft wide, County owned, parcel along the northern boundary of the Naples Zoo. This new connection would consist of box culvert improvements under Golden Gate Parkway and GF Rd, a linear pond improvement, and a fixed crest weir that would outfall into the Gordon River. Refer to **Exhibit 11**. for structure detail and section views, in addition to the structure specifications table provided below.

Goodlette Frank Supplemental Outfall Structure Specifications		
Description	Value	Units
Box Culvert Improvements ⁽¹⁾		
Number of Box Culverts	2	ea
Box Culvert Height	5	ft
Box Culvert Width	12	ft
Goodlette Section		
Box Culvert Length	370	ft
Upstream Invert Elevation	2.5	ft (NGVD)
Downstream Invert Elevation	2.25	ft (NGVD)
Box Culvert Weir Length	10	ft
Box Culvert Weir Elevation	4	ft (NGVD)
Zoo Section		
Box Culvert Length	1,060	ft
Upstream Invert Elevation	2.25	ft (NGVD)
Downstream Invert Elevation	1.5	ft (NGVD)
Linear Pond Improvements ⁽¹⁾		
Total Length of Linear Pond	890	ft
Linear Pond Cross-Section Shape	Trapezoidal	--
Bottom Width	20	ft
Depth	5	ft
Left Bank Side Slope	1:1	--
Right Bank Side Slope	2:1	--
Control Structure Improvements ⁽¹⁾		
Type of Weir	Fixed Crest	--
Total Weir Length	33	ft
Weir Crest Elevation	2.7	ft (NGVD)
Structure/Channel Bottom Elevation	-2	ft (NGVD)
Maintenance Access Path ⁽¹⁾		
Maintenance Access Path Width	10	ft
Maintenance Access Path Length	1,803	ft

(1) Refer to the Goodlette Frank Supplemental Outfall Exhibits for additional information & structure locations.

This supplemental outfall is proposed to pass the additional flows that are not accommodated by Freedom Park. The next downstream connection between the GF ditch and the Gordon River is through the Conservancy of Southwest Florida. However, the Conservancy outfall is densely vegetated through its open channel, has a protected gopher tortoise preserve, and is not designed to be a major outfall for the GRE basin. The proposed supplemental outfall will accommodate the additional flows from GF Rd, the GF ditch, Naples High School, Golden Gate Parkway, the Coastland Center mall, and flow from upstream sections. An access road is proposed to connect from GF Rd to the control structure for maintenance of the supplemental outfall. Referring to the 25YR – 3DAY stage reduction table, max water stages were reduced in project sections C-F, H, J, and K due to the implementation of the proposed supplemental outfall and AMIL gate weir replacement. The stage reduction seen in sections H, J, and K illustrate how critical the supplemental outfall is to alleviating upstream flood stages. The success of other proposed projects within the GRE basin are contingent upon its implementation.

Priority Phase III - Section H

The implementation of two improvements are proposed to achieve the full potential of Freedom Park; the *Freedom Park Stormwater Pump Station* (H.1)(**Exhibit 12.**) and the *Freedom Park Bypass Ditch & Spreader Swale* (H.2) (**Exhibit 13.**). Both improvements are necessary to satisfy Freedom Park's full capacity. The proposed pump station will supplement the existing pump station and increase the stormwater entering the water quality treatment wetland system. The bypass ditch concept was intended to provide capacity for all stormwater entering Freedom Park, this assumption was to account for a non-functioning pump station due to loss of power. The bypass ditch is proposed to be widened and introduce flow to the wetland through a 180ft long spreader swale. The *Freedom Park Bypass Ditch & Spreader Swale* (H.2) improvement also includes the replacement of the existing fabriform weir. Refer to **Exhibit 12.** and **Exhibit 13.** for structure detail and section views, in addition to the structure specifications tables on the next page.

Freedom Park Stormwater Pump Station Structure Specifications

Description	Value	Units
Pump Type	Submersible	--
Number of Pumps	2	ea
Pump Capacity, each	12,000	GPM
	29	cfs
Discharge Pressure	7.52	ft (TDH)
Motor	54	HP
Pump No. 1 Start Elevation	3.3	ft
Pump No. 1 Stop Elevation	2.3	ft
Pump No. 2 Start Elevation	3.7	ft
Pump No. 2 Stop Elevation	2.3	ft

Refer to the Freedom Park Stormwater Pump Station Exhibit for additional information & structure locations.

Freedom Park Bypass Ditch & Spreader Swale Structure Specifications

Description	Value	Units
Fabriform Weir		
Weir Length	90	ft
Weir Crest Elevation	5	ft (NGVD)
Typical Bypass Ditch Dimensions ⁽¹⁾		
Total Length of Bypass Ditch	2,030	ft
Bypass Ditch Cross-Section Shape	Trapezoidal	--
Bottom Width	28.5	ft
Depth	3.5	ft
Side Slopes	2:1	--
Typical Spreader Swale Dimensions ⁽¹⁾		
Total Length of Spreader Swale	180	ft
Bottom Width	Varies	--
Depth	1.3	ft
Side Slopes	2:1	--
Spreader Swale Berm Elevation	2.3	ft (NGVD)

(1) Refer to the Freedom Park Bypass Ditch & Spreader Swale Exhibit for additional information & structure locations.

The existing fabriform weir located at the entrance to the ditch is proposed to be removed. In addition, the bypass ditch channel invert was lowered from existing conditions to convey more water through Freedom Park.

Referring to the 25YR – 3DAY stage reduction tables, max water stages were reduced in project sections B-K for the Freedom Park Bypass Ditch and Spreader Swale/AMIL gate weir replacement

scenario. The Freedom Park Stormwater Pump Station/AMIL gate weir replacement scenario provided stage reduction for sections C-H, J, and K. The proposed pump station and AMIL gate weir replacement had a greater impact on max stages through sections C-F. This indicates that more water is being treated and retained by the interconnected wetlands, thereby relieving stages through the Gordon River. The proposed bypass ditch/spreader swale and AMIL gate weir replacement provided more benefit in stage reduction to sections H, J, and K. This result suggests that the bypass ditch conveys more stormwater from the Goodlette ditch to the Gordon River. Cumulatively, these improvements increase water quality treatment, stormwater storage, and relieve flood stages throughout the GRE basin.

Priority Phase IV - Section J/ Section K

As part of the planned *West G-F Road Area Joint Stormwater-Sewer Project*, both 48in culverts under Ohio Dr and Ridge St are to be replaced with box culverts. To prevent impacting this project negatively, the 25 Year – 3 Day peak stage at Ohio Dr must not exceed 9.0 ft NGVD (per Collier County). This stage was only achieved through *one* modeling scenario, the 25 Year – 3 Day *All Proposed Improvements & Goodlette-Frank Ditch Improvements (NO Pump Station)*. This modeling scenario includes the following proposed improvements:

1. Goodlette-Frank Ditch Improvements
2. AMIL Gate Weir Replacement
3. Goodlette-Frank Supplemental Outfall
4. Freedom Park Stormwater Pump Station (turned off to simulate loss of power)
5. Freedom Park Bypass Ditch & Spreader Swale
6. Solana/Burning Tree Box Culvert Extension
7. Maintenance Access Road/ Seawall
8. Forest Lakes Rock Weir Replacement

Please refer to **Exhibit 14. Goodlette Frank Ditch Improvements (J/K.1)** for the proposed improvements structure details and section views along Sections J and K. Additionally, the structure specifications table is provided on the next page.

Goodlette-Frank Ditch Improvements Structure Specifications		
Description	Value	Units
Typical Ditch Improvement Dimensions ⁽¹⁾⁽²⁾		
Number of G-F Improved Ditches	7	ea
Total Length of Ditch Improvements	5,700	ft
Ditch Cross-Section Shape	Trapezoidal	--
Bottom Width	20	ft
Depth	7	ft
Side Slopes	1:1	--
Slope Stabilization	Fabric-form Concrete Revetment	--
Box Culvert Improvements ⁽¹⁾		
Number of Box Culverts ⁽³⁾	6	ea
Ohio Drive ⁽⁴⁾		
4'x12' Box Culvert Length	106	ft
Upstream Invert Elevation	3.84	ft (NGVD)
Downstream Invert Elevation	3.84	ft (NGVD)
Ridge Street ⁽⁴⁾		
5'x12' Box Culvert Length	106	ft
Upstream Invert Elevation	3.48	ft (NGVD)
Downstream Invert Elevation	3.48	ft (NGVD)
Creech Road		
5'x12' Box Culvert Length	100	ft
Upstream Invert Elevation	3.4	ft (NGVD)
Downstream Invert Elevation	3.4	ft (NGVD)
26th Ave N		
5'x12' Box Culvert Length	113	ft
Upstream Invert Elevation	2.99	ft (NGVD)
Downstream Invert Elevation	2.99	ft (NGVD)
22nd Ave N		
5'x12' Box Culvert Length	135	ft
Upstream Invert Elevation	2.63	ft (NGVD)
Downstream Invert Elevation	2.63	ft (NGVD)
Section 5-B Box Culvert		
5'x12' Box Culvert Length	30	ft
Upstream Invert Elevation	2.55	ft (NGVD)
Downstream Invert Elevation	2.55	ft (NGVD)

(1) Refer to Goodlette Frank Ditch Improvements Exhibits for additional information & box culvert locations.

(2) All ditch invert were lowered to coincide with the invert elevations of the corresponding box culverts & will now provide positive drainage from Ohio Drive down to the Coastland Center Mall.

(3) Four box culverts are included under the Goodlette Frank Ditch Improvements. The Ohio Drive & Ridge Street box culverts are included under the West G-F Road Area Joint Stormwater-Sewer Project.

(4) Included in the West G-F Road Area Joint Stormwater-Sewer Project. NOT included under the Goodlette Frank Ditch Improvements.

Upon review of the existing conditions through Sections J and K, it was evident that the GF ditch bottom is not uniform, does not provide enough capacity, and the inverts along this section are not configured to provide positive drainage downstream. Many sections of the ditch are constricted in width and the ditch bottom/pipe inverts are too high in elevation. In addition, pipe sizes at road crossing are too small to convey upstream flow. The ditch requires regrading and pipe crossings must be replaced with box culverts to provide conveyance downstream. All proposed box culvert and regraded ditch inverts were lowered to provide positive drainage in the downstream direction. Refer to the structure specifications table above for proposed invert elevations. A model scenario was run for the *Goodlette Frank Ditch Improvements & AMIL Gate Weir Replacement only*, this scenario's result was not able to achieve the 9.0 ft NGVD criteria at Ohio Dr. The stage reduction table for this scenario further illustrates how improvement to the ditch alone will not solve all flooding issues experienced in the GRE basin. It should be noted that without the implementation of the *five proposed improvements* listed below, a peak stage at Ohio Dr less than, or equal to, 9.0 ft NGVD *is not attainable*.

1. Goodlette-Frank Ditch Improvements
2. AMIL Gate Weir Replacement
3. Goodlette-Frank Supplemental Outfall
4. Freedom Park Stormwater Pump Station (turned off to simulate loss of power)
5. Freedom Park Bypass Ditch & Spreader Swale

Priority Phase V - Section G

Section G is a major conveyance for the stormwater runoff from the northwest portion of the GRE basin and roughly half of the GF ditch. Substantial street and yard flooding within the County Club of Naples is a result of undersized infrastructure along Solana Rd, GF Rd, and internally within the Country Club of Naples Community. A 4ft x 11ft box culvert is proposed to replace the existing infrastructure along Solana Rd, in addition to the 66in RCP along the west side of GF Rd. Please refer to **Exhibit 15. Solana/Burning Tree Box Culvert Extension (G.1)** for structure detail and section views, in addition to the structure specifications table provided on the next page.

Solana/Burning Tree Box Culvert Extension Structure Specifications		
Description	Value	Units
Box Culvert Height	4	ft
Box Culvert Width	11	ft
Total Box Culvert Length	1961	ft

Refer to the Solana/Burning Tree Box Culvert Extension Exhibit for additional information & structure locations.

Refer to the 25YR – 3DAY stage reduction tables for the *AMIL Gate Weir Replacement* scenario and the *Box Culvert Extension/AMIL Gate Weir Replacement* scenario for the following discussion. Since the implementation of the box culvert extension is meant to convey more flow to the Gordon River, increased stages in sections A-F are expected. This is supported by the stage reduction comparison between the two model scenarios. The *Box Culvert Extension/AMIL Gate Weir Replacement* scenario provides stage increase through sections A-C and stage reduction through sections D-F. However, the *AMIL Gate Weir Replacement* scenario provides stage reduction to a greater extent through sections D-F. This demonstrates more flow being conveyed to the Gordon River (sections A-F) due to the box culvert improvement. Furthermore, the box culvert improvement provides stage reduction to the Goodlette ditch (sections G-K) where the *AMIL Gate Weir Replacement* scenario does not. This substantiates the importance of upsizing the box culvert to relieve flood stages throughout the GRE.

Priority Phase VI - Section B

Various challenges exist through section B of the Gordon River. These challenges include flooding throughout the Forest Lakes community, exotic vegetation overgrowth, maintenance access, and constriction of the river due to the earthen berms and narrowed channel, resulting in capacity reduction of the river. The proposed improvement structure details and section views can be seen in **Exhibit 16. Maintenance Access Road/Seawall (B.1)**. The proposed improvement includes a maintenance access road/seawall along western bank, the entire length of section B. Improvements also include removal of the earthen berms as well as the deepening and widening of the channel. Improvement structure specifications are provided on the next page.

Maintenance Access Road/ Seawall Structure Specifications		
Description	Value	Units
Typical River Section Improvements		
Total Length of River Improvements	3,655	ft
River Cross-Section Shape	Trapezoidal	--
Channel Invert Elevation	-5	ft (NGVD)
Eastern Bank Side Slopes	4:1 from TOB	--
	2:1 to Bottom	--
Western Bank Side Slopes	2:1	--
Maintenance Access Road Improvements		
Total Length of Maintenance Access Road	3,742	ft
Total Width of Maintenance Access Road	10.6	ft
Total Length of Seawall	3,655	ft

Refer to the Maintenance Access Road/Seawall Exhibit for additional information & structure locations.

Limited by the existing drainage easement, the seawall and maintenance path will allow for regular maintenance of the system while still allowing channel widening for additional flow capacity. Furthermore, the access road will provide maintenance access to a proposed improvement discussed in section C that follows. Referring to the 25YR – 3DAY stage reduction tables, max water stages were reduced predominantly in project sections B and C.

Priority Phase VII - Section C

Since the Forest Lakes rock weir is essentially an earthen berm holding back flow and not an operable water control structure, the implementation of the *Maintenance Access Road/Seawall (B.1)* (in Section B) is limited to how much it will improve flooding issues. Therefore, a new, fixed crest weir with removable sluice gates is proposed to replace the existing Forest Lakes rock weir to relieve upstream stages. Please refer to **Exhibit 17. Forest Lakes Rock Weir Replacement (C.1)** for structure detail and section views, in addition to the structure specifications table on the next page.

Forest Lakes Rock Weir Replacement Structure Specifications		
Description	Value	Units
Total Weir Length	150	ft
Weir Structure Crest Elevation	5.5	ft (NGVD)
Structure/Channel Bottom Elevation	-1	ft (NGVD)
Type of Gate	Sluice Gate	--
Number of Gates	4	ea
Operation	Manual	--
Crest Gate Length (ea)	25	ft
Crest Gate Height (ea)	3.5	ft
Crest Gate Invert Elevation	2	ft (NGVD)

Refer to the Forest Lakes Rock Weir Replacement Exhibit for additional information & structure locations.

The northern sub-basins of the GRE are controlled by this existing rock weir. Therefore, if more flow was able to be successfully passed through the proposed weir it would drastically improve flooding issues of upstream sub-basins. Referring to the 25YR – 3DAY stage reduction table, max water stages were reduced in project sections A and B due to the implementation of the proposed Forest Lakes weir replacement. Since the proposed sluice gates are removable, the weir crest elevation can vary from 2.0 ft NGVD (fully open) to 6.0 ft NGVD (fully closed). The gates can maintain or relieve the varying upstream stages that fluctuate throughout the year or be set to an elevation to provide storage during the dry season for irrigation. The weir structure is proposed in a “v” shape to provide more weir length and increased flow downstream.

Priority Phase VIII - Section F

The extent of stage reduction through section F was analyzed for each modeled scenario and summarized in the stage reduction tables in **Appendix C**. and the stage reduction charts in **Appendix D**. The *Section F Stage Reduction – 25YR 3DAY* chart indicates that every modeled scenario provides a stage reduction of at least 0.11 ft. Alternative channel improvements that should be considered include the implementation of a 6 ft x 10 ft box culvert to provide additional capacity through the current swale or a bypass outfall into the Royal Poinciana stormwater system.

Results & Conclusions

Exhibit 18. depicts the *All Proposed Improvements & Goodlette Frank Ditch Improvements* scenario node maximum stages for the 25 Year – 3 Day storm event. In addition, the node and link results are provided in table format in **Appendix B.** for the 25 Year – 3 Day storm event for the *All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)* scenario. Approximately one foot of clearance is provided between the peak stage and the crown of the box culverts under Golden Gate Parkway in the 25 Year – 3 day *All Proposed Improvements & Goodlette Frank Ditch Improvements* model.

Upon review of the stage reduction charts for each section, it is obvious that no *one* improvement will be the remedy to all flooding issues experienced within the GRE basin. Cumulatively, however, stage reduction is evident for all basin sections in the *All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)* scenario. Over the years, the GRE basin has been built out with each stormwater system being designed on a case-by-case basis, without consideration to the impact these projects would have regionally. This master plan is meant to evaluate the basin on a comprehensive level by providing improvements that will function cooperatively and be mutually beneficial to one another. ***It is ABB's recommendation that the following eight proposed improvements be implemented.***

1.) AMIL Gate Weir Replacement

The existing AMIL gate controls the outfall for the entire GRE basin and does not allow enough flow to pass to relieve upstream flood stages. *Without the implementation of the AMIL Gate Weir Replacement, all upstream sub-basins will continue to experience flooding issues.*

2.) Goodlette-Frank Supplemental Outfall

The Conservancy of Southwest Florida swale is densely vegetated and not designed to be a major outfall for the GRE basin. However, it is currently the only interconnect serving the southwest sub-basins. The Goodlette Frank Supplemental Outfall will provide sufficient capacity to handle flow not accommodated by Freedom Park, as well as flow from Golden Gate Parkway to keep the road from inundation. *If the supplemental outfall is not implemented, Golden Gate Parkway and upstream sub-basins will continue to flood.*

3.) Freedom Park Stormwater Pump Station

Freedom Park's water quality treatment system is currently under-utilized. The treatment system is limited by the small pump station that introduces stormwater from the GF ditch into Freedom Park. *Without the addition of the proposed pump station, the full capacity and value of the treatment system will not be achieved.* Furthermore, flood stage relief will not be provided to the upstream sub-basins on the northwest side of the GF ditch.

4.) Freedom Park Bypass Ditch & Spreader Swale

Flow is prevented from entering the Freedom Park ditch due to the existing fabriform weir. Flow is further restricted due to the ditch being undersized, overgrown, and undefined downstream. *Without the replacement of the fabriform weir and implementation of the expanded bypass ditch and spreader swale, the flow required through Freedom Park to reduce flooding conditions in the upstream sub-basins is not possible, specifically in neighborhoods near Ohio Dr.* Furthermore, a larger stormwater burden will be sent downstream, negatively impacting the southern sub-basin flood stages.

5.) Goodlette-Frank Ditch Improvements

Improvements are proposed along the GF ditch from Ohio Dr down to the Coastland Center Mall. Through this section, the ditch bottom is not uniform, does not provide enough capacity, and the inverts along this section are not configured to provide positive drainage downstream. Furthermore, pipe crossings within this section are undersized and constrict flow. *Without the proposed box culverts, regraded ditches, and all culvert and ditch inverts being lowered to provide positive drainage, neighborhoods near Ohio Dr will continue to flood, and a peak stage at Ohio Dr less than, or equal to, 9.0 ft NGVD is not attainable.*

6.) Solana/Burning Tree Box Culvert Extension

Flooding in the northwest sub-basins along GF Rd and within the County Club of Naples is a consequence of undersized infrastructure along Solana Rd and GF Rd. *The proposed box culvert extension is necessary to correct the inundation conditions seen in the County Club of Naples community and the northwest sub-basins along GF Rd; without it, these areas will continue to flood.*

7.) Maintenance Access Road/ Seawall & 8.) Forest Lakes Rock Weir Replacement

The various challenges through this section of the Gordon River include historical flooding issues throughout the Forest Lakes community, exotic vegetation overgrowth, maintenance access, conveyance of flow downstream, and reduced capacity of the river due to the earthen berms and narrowed channel. *Without the implementation of the rock weir replacement, the removal of the earthen berms, and the deepening and widening of the channel, flooding issues throughout the Forest Lakes community will continue. Furthermore, the maintenance access road/seawall is necessary to provide the added capacity to the river by maximizing the bottom width of the channel to its fullest extent. Without the access road/seawall, exotic vegetation maintenance and maintenance access is unlikely and current conditions will worsen.*

To achieve the stages provided in **Exhibit 18.**, each improvement must provide the flow capacity presented in the *Basin Improvements Flow Summary Table*, below.

Basin Improvements Flow Summary Table - 25YR 3DAY		
AMIL Gate Weir Replacement	Minimum Required Flow Capacity (cfs)	
Weir		322
Bottom Hinged Crest Gate No. 1		229
Bottom Hinged Crest Gate No. 2		229
Goodlette Frank Supplemental Outfall		
Goodlette Section Box Culvert		220
Goodlette Section Weir		12
Zoo Section Box Culvert		220
Linear Pond		220
Supplemental Outfall Weir		220
Freedom Park Stormwater Pump Station		
Proposed Pump No. 1		23
Proposed Pump No. 2		21
Total Required Flow Capacity		44
Freedom Park Bypass Ditch & Spreader Swale		
		276
Goodlette Frank Ditch Improvements		
Improved Ditch (ea)		310
Ohio Drive Box Culvert		230
Ridge Street Box Culvert		299
Creech Road Box Culvert		299
26th Ave N . Box Culvert		299
22nd Ave N. Box Culvert		299
Section 5-B Box Culvert		299
Solana/Burning Tree Box Culvert Extension		
		209
Maintenance Access Road/ Seawall		
Channel		964
Forest Lakes Rock Weir Replacement		
Weir		698
Gate No. 1		102
Gate No. 2		102
Gate No. 3		102
Gate No. 4		102

The Engineer's Opinion of Probable Costs for the eight proposed improvements conceptual design is provided in the table below. The breakdown of these costs are provided in **Appendix E**.

Conceptual Engineer's Opinion of Probable Costs		
Improvement	Total Cost	
AMIL Gate Weir Replacement	\$	4,506,000
Goodlette-Frank Supplemental Outfall	\$	6,953,000
Freedom Park Stormwater Pump Station	\$	1,944,000
Freedom Park Bypass Ditch & Spreader Swale	\$	1,249,000
Goodlette-Frank Ditch Improvements	\$	4,365,000
Solana/Burning Tree Box Culvert Extension	\$	6,089,000
Maintenance Access Road/ Seawall	\$	5,561,000
Forest Lakes Rock Weir Replacement	\$	2,020,000
Total Cost of All Improvements	\$	33,202,000

A *Cost Benefit Analysis* is also provided in **Appendix E**. and relates the volume of flooding reduced for each dollar spent on the proposed improvement. This analysis can be used as a tool to relate the improvements to each other while comparing their impact on stage reduction per dollar spent. It should be noted that the improvements and their ability to function as presented depends on the replacement of the AMIL gate weir first. Generally, the cost benefit analysis indicates a greater impact for improvements with a larger upstream runoff area.

The recommended *Gordon River Extension Project Sections & Construction Phasing Sequence* for the eight proposed improvements is shown in **Exhibit 1**. This is the recommended order of construction that takes into account the current lifespan of the existing systems, constructability, stage reduction, community impact during construction, operational demand (required ongoing maintenance), and the cost benefit analysis.

Appendix A. – Exhibits

Appendix B. – Model Results

Existing Conditions

25YR 3DAY

Node & Link Results

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
AMIL	-4.71	6.899
AMIL_ENT	-5.85	6.737
AMIL2	-4.71	6.285
Aut Wds	0	11.409
BasinVA	0	10.994
Burning	0	12.355
BurningSW	0	9.986
BurnTree3	0	11.961
ChurchRec	0	13.705
Coach House Lane	1.89	6.931
CoastlandCenter	0	9.458
Coco Lakes	5.04	7.907
Country Club of Naples N	-2.15	10.606
Country Club of Naples S_RPGC N	-0.02	9.639
Crossings	0	12.662
Estuary at Gray Oaks	-0.65	6.678
Fleischmann Park	0	8.885
Forest Lakes W	-0.03	10.488
ForestLksE	0	13.013
GF1	0	15.031
GF10	0	12.536
GF11a	0	12.534
GF11b	0	12.53
GF12	0	12.52
GF13	0	12.515
GF14	0	12.502
GF15	0	12.48
GF16a	0	12.463
GF16b	0	11.635
GF17	0	11.008
GF18	0	10.988
GF19	0	10.472
GF2	0	14.402
GF20	0	10.341
GF21	0	10.184
GF22	0	10.253
GF23	0	9.519
GF24a	0	9.52
GF24b	0	9.52
GF3	0	14.321
GF4	0	14.319
GF5	0	14.102

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
GF6	0	14.087
GF7	0	14.07
GF8	0	14.066
GF9	0	13.414
GFR N	0	15.455
GFR1	0	13.36
GFR3	0	8.268
Golden Gate Parkway.1	-1.17	6.539
GoldenGateParkway	0	9.461
Goodlette Frank Road 2	3.99	7.852
High Point	0	11.625
Hole-in-the-wall N	0.49	8.212
Hole-in-the-wall S	0.01	7.771
Magnolia	0	15.667
MissionSq	0	14.043
Moorings	0	12.098
Naples High	0	9.521
NB&T	0	11.447
Node117	0.53	9.759
Node118	0.53	9.76
Node119	-0.42	9.748
Node120	-3.31	9.727
Node121	-3.92	9.704
Node122	-2.62	9.689
Node123	-1.43	9.664
Node124	3.13	9.614
Node125	1.9	9.49
Node126	0.69	9.805
Node127	-0.52	9.944
Node128	-2.42	10.043
Node129	-2.48	10.082
Node130	-2.54	10.112
Node1309	0	8.886
Node131	-2.6	10.14
Node1313	0	8.785
Node1314	0	8.581
Node1315	0	8.409
Node1316	0	8.23
Node1317	0	7.813
Node1318	0	7.666
Node1319	0	7.5
Node132	-2.58	10.15

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node1320	0	7.253
Node1321	0	7.04
Node1322	0	6.913
Node133	-2.34	10.141
Node1339	-4	6.487
Node134	-2.09	10.205
Node135	-1.85	10.295
Node1353	2.55	10.514
Node1354	0	0
Node1359	-1.5	6.197
Node136	-1.67	10.382
Node1362	0	9.473
Node1366	0	12.649
Node137	-1.62	10.457
Node138	-1.58	10.513
Node139	-1.53	10.555
Node140	-1.56	10.583
Node141	-1.76	10.597
Node142	-1.96	10.611
Node144	-2.62	10.592
Node145	-3.4	10.59
Node146	-4.15	10.585
Node147	-3.33	10.573
Node148	-0.33	10.551
Node149	2.58	10.491
Node150	3.21	10.34
Node151	2.41	10.162
Node152	1.6	10.036
Node153	0.8	10.178
Node154	-0.01	10.328
Node155	-0.81	10.437
Node156	-1.62	10.521
Node157	-2.42	10.609
Node158	-3.03	10.674
Node159	-3.37	10.729
Node160	-3.72	10.775
Node161	-4.07	10.805
Node162	-4.42	10.819
Node163	-4.77	10.823
Node164	-5.12	10.823
Node165	-5.46	10.817
Node166	-5.62	10.819

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node167	-5.47	10.835
Node168	-5.31	10.852
Node169	-5.16	10.867
Node170	-5	10.875
Node171	-4.85	10.876
Node172	-4.69	10.87
Node173	-4.54	10.856
Node174	-4.49	10.832
Node175	-4.6	10.792
Node176	-4.72	10.732
Node177	-4.83	10.658
Node178	-4.94	10.537
Node179	-5.05	10.428
Node180	-5.16	10.309
Node181	-5.27	10.182
Node182	-5.38	10.06
Node183	-5.5	10.133
Node184	-5.61	10.209
Node185	-5.93	10.277
Node186	-7.32	10.338
Node187	-8.7	10.382
Node188	-10	10.417
Node189	-9.16	10.441
Node190	-7.73	10.461
Node192	-4.96	10.476
Node194	2.55	9.576
Node195	3.04	9.553
Node196	2.03	9.565
Node197	0.91	9.6
Node198	0.73	9.621
Node199	0.55	9.63
Node200	0.42	9.65
Node201	0.29	9.63
Node203	-0.4	9.626
Node204	-0.27	9.603
Node205	-0.16	9.594
Node206	-0.2	9.581
Node207	-0.23	9.579
Node208	-0.18	9.596
Node209	-0.15	9.597
Node210	-0.37	9.593
Node211	-0.59	9.588

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node212	-0.62	9.57
Node213	-0.3	9.548
Node214	-0.34	9.525
Node215	-0.36	9.521
Node216	-0.61	9.506
Node217	-0.64	9.466
Node218	-0.58	9.425
Node219	-0.36	9.425
Node220	0.03	9.417
Node221	0.3	9.401
Node222	0.45	9.39
Node223	0.28	9.389
Node224	0.02	9.362
Node225	-0.23	9.373
Node226	-0.23	9.357
Node227	-0.23	9.34
Node228	-0.31	9.329
Node229	-0.35	9.318
Node230	-0.15	9.306
Node231	0	9.326
Node232	-0.12	9.335
Node233	-0.22	9.344
Node234	-0.38	9.349
Node235	-1.4	9.369
Node236	0.39	9.378
Node237	1.2	9.382
Node238	0.91	9.39
Node241	1.82	8.298
Node242	1.78	8.251
Node243	1.55	8.24
Node244	1.31	8.248
Node245	1.03	8.256
Node246	0.72	8.261
Node247	0.83	8.259
Node249	1.01	8.253
Node250	0.85	8.25
Node251	0.56	8.247
Node252	0.31	8.24
Node253	0.29	8.232
Node255	0.67	8.181
Node256	0.73	8.158
Node257	0.82	8.148

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node258	0.92	8.134
Node259	0.9	8.114
Node260	0.63	8.079
Node261	0.4	8.05
Node262	0.6	8.037
Node263	0.63	8.026
Node264	-1.27	8.053
Node265	-1.27	8.052
Node266	-1.66	8.052
Node267	-2.3	8.054
Node268	-1.36	8.052
Node269	0.08	8.032
Node270	-0.11	8.027
Node271	-0.04	8.027
Node272	0.03	8.028
Node273	0.09	8.029
Node274	0.15	8.032
Node275	0.22	8.033
Node276	0.24	8.021
Node277	0.26	7.998
Node278	0.64	7.976
Node279	0.58	7.965
Node280	0.5	7.956
Node281	0.54	7.941
Node282	0.67	7.919
Node283	0.83	7.9
Node284	0.77	7.886
Node285	0.68	7.867
Node286	0.41	7.855
Node287	0.15	7.845
Node288	-0.12	7.833
Node289	-0.19	7.816
Node290	0.15	7.808
Node291	0.43	7.804
Node292	0.48	7.803
Node293	0.52	7.802
Node294	0.56	7.8
Node295	0.48	7.797
Node296	0.32	7.79
Node297	0.15	7.778
Node299	-0.06	7.763
Node300	-0.13	7.759

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node301	-0.19	7.752
Node302	-0.26	7.745
Node303	-0.24	7.736
Node304	-0.23	7.721
Node305	-0.14	7.7
Node306	-0.04	7.684
Node307	0.06	7.667
Node308	0.15	7.645
Node309	0.2	7.62
Node311	0.3	7.592
Node312	0.47	7.579
Node313	0.83	7.562
Node314	0.62	7.549
Node315	0.45	7.532
Node316	0.36	7.507
Node317	0.5	7.489
Node318	0.83	7.461
Node319	0.86	7.424
Node320	0.8	7.422
Node321	0.65	7.4
Node322	0.46	7.389
Node323	0.19	7.383
Node324	0.36	7.375
Node325	0.69	7.366
Node326	0.75	7.356
Node327	0.43	7.35
Node328	0.51	7.347
Node329	0.61	7.346
Node330	0.68	7.344
Node331	0.73	7.342
Node332	0.74	7.341
Node333	-0.21	7.34
Node334	0.4	7.339
Node335	0.43	7.333
Node336	0.37	7.32
Node337	0.06	7.31
Node338	-0.65	7.31
Node339	-0.62	7.294
Node340	-0.54	7.282
Node341	-0.46	7.27
Node342	-0.45	7.259
Node343	-0.62	7.243

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node344	-0.79	7.232
Node345	-0.96	7.218
Node346	-1.05	7.202
Node347	-0.77	7.177
Node348	-0.49	7.151
Node349	-0.21	7.139
Node350	-0.47	7.131
Node351	-0.69	7.124
Node352	-0.91	7.113
Node354	-1.08	7.106
Node355	-0.85	7.092
Node356	-0.63	7.077
Node357	-0.4	7.061
Node358	-0.18	7.045
Node359	0.05	7.028
Node360	0.27	7.007
Node361	0.38	6.992
Node362	0.22	6.98
Node363	0.06	6.969
Node364	-0.11	6.951
Node365	-0.27	6.936
Node366	-0.28	6.921
Node367	-0.26	6.912
Node368	-0.23	6.902
Node369	-0.21	6.893
Node370	-0.09	6.881
Node371	-0.34	6.873
Node372	-0.59	6.863
Node373	-0.84	6.853
Node374	-1.09	6.845
Node375	-0.95	6.833
Node376	-0.79	6.82
Node377	-0.64	6.806
Node378	-0.52	6.785
Node379	-0.66	6.768
Node380	-0.79	6.752
Node382	-1.07	6.728
Node383	-0.97	6.711
Node384	-0.81	6.695
Node386	-0.49	6.662
Node387	-0.41	6.649
Node388	-0.59	6.628

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node389	-0.77	6.666
Node390	-0.95	6.686
Node391	-1.1	6.68
Node392	-1.09	6.643
Node393	-1.07	6.615
Node394	-1.06	6.583
Node396	-3.38	6.533
Node397	-3.33	6.528
Node398	-2.89	6.528
Node399	-2.18	6.529
Node400	-1.46	6.524
Node401	-1.65	6.531
Node402	-0.8	6.532
Node414	3.99	7.559
Node415	3.99	7.384
Node416	3.61	7.383
Node417	3.61	7.382
Node418	0.9	7.383
Node419	1.12	7.383
Node423	5.8	7.832
Node424	6.05	7.695
Node425	5.28	7.565
Node426	5.13	7.428
Node427	3.77	7.358
Node428	4.42	7.319
Node429	5.47	7.2
Node430	5.28	7.027
Node431	5.13	7.021
Node432	4.12	7.018
Node433	3.7	7.013
Node435	2.02	6.973
Node436	2.39	6.973
Node437	2.19	6.972
Node438	3.08	6.972
Node439	3.14	6.972
Node440	3.12	6.969
Node441	2.92	6.967
Node442	3.02	6.967
Node443	3.12	6.964
Node444	3.01	6.958
Node445	4.49	6.955
Node446	3.4	6.949

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node447	3.61	6.938
Node449	2.8	6.935
Node450	2.16	6.934
Node451	2.64	6.934
Node452	1.53	6.933
Node453	2.3	6.933
Node454	2.19	6.932
Node456	2.84	6.931
Node457	1.99	6.93
Node458	2.39	6.93
Node459	2.88	6.93
Node460	2.06	6.929
Node462	1.66	6.927
Node463	1.66	6.927
Node464	1.66	6.926
Node465	1.66	6.926
Node466	1.66	6.925
Node467	1.93	6.925
Node468	2.48	6.924
Node469	2.48	6.924
Node470	2.48	6.924
Node471	2.48	6.923
Node472	2.48	6.923
Node473	2.48	6.922
Node474	2.48	6.922
Node475	2.48	6.922
Node476	-1.5	6.11
Node477	-1.5	6.043
Node482	0	11.418
Node483	0	11.417
Node484	0	11.416
Node485	0	11.415
Node486	0	11.413
Node487	0	11.411
Node489	0	11.406
Node490	0	11.404
Node491	0	11.401
Node492	0	11.398
Node493	0	11.397
Node494	0	11.396
Node495	0	11.394
Node496	0	11.393

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node497	0	11.392
Node498	0	11.391
Node499	0	11.39
Node500	0	11.389
Node501	0	11.387
Node502	0	11.386
Node503	0	11.385
Node504	0	11.384
Node505	0	11.383
Node506	0	11.382
Node507	0	11.38
Node508	0	11.379
Node509	0	11.377
Node511	0	11.362
Node512	0	11.348
Node522	0	12.551
Node523	0	13.933
Node526	0	14.319
Node529	0	11.334
Node531	0	11.32
Node532	0	14.437
Node534	0	11.305
Node535	0	11.292
Node536	0	11.279
Node537	0	11.265
Node538	0	11.252
Node539	0	11.238
Node540	0	11.223
Node541	0	11.209
Node542	0	11.198
Node543	0	11.188
Node544	0	11.18
Node545	0	11.172
Node546	0	11.162
Node547	0	11.152
Node548	0	11.143
Node549	0	11.135
Node551	0	11.109
Node552	0	11.093
Node553	0	11.076
Node554	0	11.061
Node555	0	11.045

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node556	0	11.03
Node557	0	11.015
Node558	0	11
Node559	0	10.984
Node560	0	10.969
Node561	0	10.952
Node562	0	10.935
Node563	0	10.92
Node564	0	10.905
Node565	0	10.891
Node566	0	10.875
Node567	0	10.856
Node569	0	10.793
Node570	0	10.745
Node571	0	10.695
Node572	0	10.638
Node573	0	10.57
Node574	0	10.487
Node575	0	10.386
Node576	0	10.258
Node577	0	10.103
Node578	0	9.941
Node579	0	9.723
Node580	0	9.758
Node582	0	14.44
Node583	0	14.44
Node584	0	14.439
Node585	0	14.439
Node586	0	14.438
Node587	0	14.437
Node588	0	14.437
Node589	0	14.436
Node590	0	14.402
Node593	0	14.323
Node594	0	14.323
Node595	0	14.323
Node596	0	14.323
Node597	0	14.323
Node598	0	14.323
Node599	0	14.322
Node600	0	14.322
Node601	0	14.322

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node604	0	14.322
Node605	0	14.322
Node609	0	11.246
Node610	0	10.947
Node611	0	14.322
Node612	0	14.322
Node613	0	14.322
Node614	0	9.487
Node615	0	14.321
Node616	0	14.321
Node617	0	14.321
Node618	0	14.321
Node619	0	14.321
Node624	0	8.868
Node625	0	14.321
Node626	0	14.321
Node627	4.5	12.432
Node628	0	24.884
Node629	0	18.44
Node630	0	14.32
Node631	0	14.32
Node632	0	14.32
Node633	0	14.32
Node634	0	14.319
Node635	0	6.682
Node636	-1	6.672
Node637	0	14.319
Node638	0	14.319
Node641	0	8.761
Node642	0	8.307
Node643	0	8.261
Node644	0	6.299
Node645	0	6.297
Node646	0	3.585
Node647	0	14.107
Node648	0	14.106
Node649	0	14.105
Node650	0	14.103
Node651	0	3.571
Node653	0	14.101
Node654	0	14.099
Node655	0	14.098

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node656	0	14.096
Node657	0	14.095
Node658	0	14.094
Node659	0	14.092
Node660	0	14.091
Node661	0	14.091
Node662	0	14.09
Node663	0	14.089
Node664	0	14.088
Node665	0	14.087
Node667	0	14.086
Node668	0	14.085
Node669	0	14.084
Node670	0	14.083
Node671	0	14.082
Node672	0	14.081
Node673	0	14.08
Node674	0	14.079
Node675	0	14.077
Node676	0	14.076
Node677	0	14.075
Node678	0	14.074
Node679	0	14.073
Node680	0	14.072
Node681	0	14.071
Node683	0	14.069
Node684	0	14.067
Node686	0	14.065
Node687	0	14.063
Node688	0	14.062
Node689	0	14.06
Node690	0	14.059
Node691	0	14.057
Node692	0	14.055
Node693	0	14.053
Node694	0	14.052
Node695	0	14.05
Node710	0	12.536
Node711	0	12.536
Node713	0	12.535
Node714	0	12.535
Node715	0	12.534

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node717	0	12.533
Node718	0	12.533
Node719	0	12.532
Node720	0	12.531
Node721	0	12.531
Node723	0	12.529
Node724	0	12.529
Node725	0	12.528
Node726	0	12.527
Node727	0	12.526
Node728	0	12.526
Node729	0	12.525
Node730	0	12.524
Node731	0	12.524
Node732	0	12.523
Node733	0	12.522
Node734	0	12.522
Node735	0	12.521
Node737	0	12.518
Node738	0	12.516
Node740	0	12.513
Node741	0	12.511
Node742	0	12.51
Node743	0	12.509
Node744	0	12.508
Node745	0	12.507
Node746	0	12.506
Node747	0	12.504
Node748	0	12.503
Node750	0	12.5
Node751	0	12.502
Node752	0	12.497
Node753	0	12.492
Node754	0	12.488
Node755	0	12.484
Node757	0	12.476
Node758	0	12.473
Node759	0	12.469
Node760	0	12.466
Node763	0	11.642
Node764	0	11.643
Node765	0	11.641

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node766	0	11.64
Node767	0	11.638
Node768	0	11.636
Node770	0	11.632
Node771	0	11.631
Node772	0	11.629
Node773	0	11.628
Node774	0	11.627
Node775	0	11.627
Node776	0	11.626
Node777	0	11.626
Node778	0	11.626
Node779	0	11.626
Node781	0	11.625
Node782	0	11.624
Node783	0	11.623
Node784	0	11.623
Node785	0	11.622
Node786	0	11.621
Node787	0	11.62
Node788	0	11.619
Node789	0	11.618
Node790	0	11.617
Node791	0	11.617
Node794	0	11.006
Node795	0	11.005
Node796	0	11.003
Node797	0	11.002
Node798	0	11.001
Node799	0	11
Node800	0	10.999
Node801	0	10.999
Node802	0	10.997
Node804	0	10.991
Node805	0	10.988
Node806	0	10.985
Node809	0	10.507
Node810	0	10.532
Node811	0	10.515
Node812	0	10.504
Node813	0	10.493
Node814	0	10.483

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node816	0	10.461
Node817	0	10.449
Node818	0	10.437
Node819	0	10.427
Node820	0	10.419
Node821	0	10.41
Node822	0	10.401
Node823	0	10.391
Node824	0	10.382
Node825	0	10.372
Node826	0	10.362
Node827	0	10.351
Node829	0	10.329
Node830	0	10.317
Node831	0	10.305
Node832	0	10.293
Node833	0	10.28
Node834	0	10.267
Node836	0	10.239
Node837	0	10.226
Node838	0	10.213
Node839	0	10.201
Node840	0	10.189
Node843	0	9.576
Node844	0	9.571
Node845	0	9.565
Node846	0	9.558
Node847	0	9.55
Node848	0	9.542
Node849	0	9.534
Node850	0	9.526
Node852	0	9.519
Node853	0	9.519
Node854	0	9.519
Node855	0	9.519
Node857	0	9.52
Node858	0	9.52
Node859	0	9.52
Node860	0	9.52
Node861	0	9.52
Node863	0	9.52
Node864	0	9.52

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Node867	0	9.521
Node868	0	9.521
Node869	0	9.521
Node870	0	9.521
Node871	0	9.521
Node872	0	9.521
Node873	0	9.521
Node874	0	9.521
Node875	0	9.521
Node876	0	9.521
Node877	0	9.521
Node878	0	9.521
Node879	0	9.521
Node880	0	9.521
Node881	0	9.521
Node890	-2	6.021
Node891	-3	5.44
Node892	-4	5.076
Node893	-3	4.545
Node894	0	14.443
Node895	0	9.461
Node896	0	9.46
Node897	0	9.459
Node898	0	9.458
Node899	0	14.442
Node900	0	14.441
Outfall.1	-4.35	3.5
Pine Ridge	0	15.88
PineRidge2	0	14.38
PineRidge3	0	8.385
Pinewoods	0	10.945
Poinciana 1	4.54	7.007
Poinciana 2	2.7	6.936
Poinciana Elementary	1.89	6.928
PondA	-2.22	6.975
PR UP	0	11.774
PRC Stub	0	15.643
PRDS1	0	10.835
PRDS2	0	11.125
PRDS3	0	11.376
PRDS4	0	12.64
PRMS	0	14.771

Existing Conditions - 25YR 3DAY

Node Name	Invert Elevation (ft)	Max Water Elevation (ft)
Royal Poincianna Golf Course	0.25	7.601
RPGC C H	1.1	8.373
Wetland B	0	6.87
Wetland C	0	6.817
Wetland D	0	6.962
Wetland E	0	6.664
Wilderness Country Club	-0.93	6.74
WilsonMil	5.04	8.218

Existing Conditions - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
10in PVC	Node629	Node627	6.16	4.53	219	0.833	Circular	0.009	9.5	5.6
18in RCP	Crossings	Node1366	6.73	5.367	649	1.5	Circular	0.013	0.25	0.5
24in	GF9	Node522	5.548	5.379	130	2	Circular	0.013	6.86	22.0
26th Ave 1	GF21	Node843	5.31	5.36	113	3	Circular	0.013	7.2	51.1
26th Ave 2	GF21	Node843	5.36	5.33	113	3	Circular	0.013	7.2	51.0
26th Ave 3	GF21	Node843	5.34	5.34	113	3	Circular	0.013	7.2	51.0
30in RCP	Node1366	PRDS4	5.355	4.647	631	2.5	Circular	0.013	-0.16	-0.8
36RCP to WetlandE	Node635	Node636	2.31	-1	34	3	Circular	0.013	1.88	13.4
48in RCP	Node791	GF17	4.48	4.75	106	4	Circular	0.013	9.61	121.3
4in Discharge	Node628	Node629	7	6.16	113	0.33	Circular	0.009	7.29	0.8
53x34in ERCP	Naples High	Node1362	4.32	3.94	133	4.41	Special	0.013	2.51	25.7
5X7 Box Culv	Node644	Node645	1.29	1.42	38	5	Rectangular	0.013	1.11	38.6
66in RCP	Node523	GF9	5.87	5.548	248	5.5	Circular	0.013	6.5	154.9
76x48in ERCP	Node1362	GoldenGateParkway	3.94	3.25	200	6.33	Special	0.013	1.25	25.7
8in Discharge	Node628	Node629	7	6.16	111	0.667	Circular	0.009	11.82	4.8
AMIL Link	AMIL_ENT	AMIL	-4.71	-4.71	33	0	Natural	0.014	2.8	1171.3
Amil1	AMIL	AMIL2							400.5	800.0
Amil2.1	AMIL	AMIL2							400.5	800.0
BurnLink3	BurningSW	Node225	3.9	2.12	1000	6	Natural	0.06	2.15	176.5
BurnLinkBox1	Burning	BurnTree3	5.48	5.015	368	4	Rectangular	0.013	5.09	163.5
BurnLinkBox1.1	BurnTree3	Node609	4.915	4.13	621	4	Rectangular	0.013	4.81	154.5
BurnLinkDbl48	Node610	BurningSW	4	3.85	360	4	Circular	0.013	6.12	154.5
BurnLinkTriple	Node609	Node610	4.34	4.27	53	3	Circular	0.013	7.23	154.5
Caprock Weir 1.2	Node646	Node651							0	32.7
Caprock Weir A2.1	Node646	Node651							0	36.0
ChurchLink	ChurchRec	PRC Stub	9.5	9	285	1.5	Circular	0.013	-5.68	-10.2
Conservancy Ditch	Node651	Outfall.1	0.76	-1.42	240	0	Natural	0.035	1.87	159.2
Creech 54in RCP	GF18	Node809	4.2	4.28	100	4.5	Circular	0.013	8.73	139.3
CW UP Link	GF9	GFR1	6.78	6.75	20	6.33	Special	0.013	6.9	142.0
Dbl Box Culvert	Node1309	Fleischmann Park	1.93	1.93	222	4	Rectangular	0.013	0.52	29.3
DBL HDPE	Node874	Node875	4.67	4.45	30	3	Circular	0.009	1.49	21.1
Dbl36	Node864	Node867	4.58	4.7	135	3	Circular	0.013	1.47	20.8
Discharge Apron	Node636	Wetland E							0	23.4
Double 29x45	CoastlandCenter	Node1309	3.86	1.93	1325	3.75	Special	0.013	1.96	29.3
FabriformWeir.1	Node614	Node624							0	188.2
Forest Rock Weir.1	Node1353	Node194							0	1010.0
Forest SW	Pinewoods	Node1353	7	7	2500	1.68	Natural	0.06	1.05	116.0
ForestLink	ForestLksE	Pinewoods	5.04	4.95	495	2.5	Circular	0.013	5.5	54.7
Freedom Park 5	Wetland E	Node388	3.28	2.7	1119	0	Natural	0.014	0.18	169.7
FreedomPark Swale	Node624	Node1313	4.36	5.27	93	3.5	Trapezoidal	0.03	2.53	188.2
GFR ERCP	GFR N	GF1	7	6.75	400	6.33	Special	0.013	4.27	88.1

Existing Conditions - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
GFR1Link	GFR1	Burning	6.65	5.49	300	6.33	Special	0.013	7.94	163.5
GFR3Link	GFR3	PondA	4.78	-2.22	340	4	Circular	0.013	5.18	25.3
GFR6x12BoxCul	GF24a	Node614	2.03	2.03	150	6	Rectangular	0.013	2.69	193.9
GoldenGatePkwy 4BoxCulv	Node1339	AMIL_ENT	-4	-5.85	200	10	Rectangular	0.013	2.57	1020.3
Granada 48x76 ERCP	Node526	Node647	6.63	6.5	107	6.33	Special	0.013	6.6	135.9
Interconnect A-D	PondA	Wetland D	0.96	1.04	69	3	Circular	0.009	1.88	13.4
Interconnect B-C	Wetland B	Wetland C	1.06	1.01	316	3	Circular	0.009	1.88	13.4
Interconnect D-B	Wetland D	Wetland B	1.05	1.03	534	3	Circular	0.009	1.88	13.4
Link1000	Node156	Node157	-1.62	-2.42	50	0	Natural	0.014	4.3	2443.6
Link1001	Node157	Node158	-2.42	-3.03	50	0	Natural	0.014	3.68	2386.3
Link1002	Node158	Node159	-3.03	-3.37	50	0	Natural	0.014	3.28	2305.5
Link1003	Node159	Node160	-3.37	-3.72	50	0	Natural	0.014	3.11	2186.9
Link1004	Node160	Node161	-3.72	-4.07	50	0	Natural	0.014	2.89	2042.6
Link1005	Node161	Node162	-4.07	-4.42	50	0	Natural	0.014	2.58	1870.9
Link1006	Node162	Node163	-4.42	-4.77	50	0	Natural	0.014	2.24	1683.7
Link1007	Node163	Node164	-4.77	-5.12	50	0	Natural	0.014	1.95	1604.9
Link1008	Node164	Node165	-5.12	-5.46	50	0	Natural	0.014	1.76	1512.0
Link1009	Node165	Node166	-5.46	-5.62	50	0	Natural	0.014	1.64	1398.8
Link1010	Node166	Node167	-5.62	-5.47	50	0	Natural	0.014	1.62	1270.4
Link1011	Node167	Node168	-5.47	-5.31	50	0	Natural	0.014	1.76	1179.5
Link1012	Node168	Node169	-5.31	-5.16	50	0	Natural	0.014	1.84	1257.4
Link1013	Node169	Node170	-5.16	-5	50	0	Natural	0.014	1.91	1364.9
Link1014	Node170	Node171	-5	-4.85	50	0	Natural	0.014	1.95	1472.0
Link1015	Node171	Node172	-4.85	-4.69	50	0	Natural	0.014	2.01	1622.0
Link1016	Node172	Node173	-4.69	-4.54	50	0	Natural	0.014	2.13	1749.4
Link1017	Node173	Node174	-4.54	-4.49	50	0	Natural	0.014	2.21	1873.5
Link1018	Node174	Node175	-4.49	-4.6	50	0	Natural	0.014	2.4	1982.3
Link1019	Node175	Node176	-4.6	-4.72	50	0	Natural	0.014	2.77	2071.4
Link102	Node580	Node117	2	2	118	9	Rectangular	0.013	4.7	959.8
Link1020	Node176	Node177	-4.72	-4.83	50	0	Natural	0.014	3.47	2140.7
Link1021	Node177	Node178	-4.83	-4.94	50	0	Natural	0.014	5.49	2194.3
Link1022	Node178	Node179	-4.94	-5.05	50	0	Natural	0.014	4.63	2264.3
Link1023	Node179	Node180	-5.05	-5.16	50	0	Natural	0.014	4.46	2312.3
Link1024	Node180	Node181	-5.16	-5.27	50	0	Natural	0.014	4.37	2354.3
Link1025	Node181	Node182	-5.27	-5.38	50	0	Natural	0.014	4.45	2380.2
Link1026	Node182	Node183	-5.38	-5.5	50	0	Natural	0.014	4.31	2363.9
Link1027	Node183	Node184	-5.5	-5.61	50	0	Natural	0.014	4.28	2384.2
Link1028	Node184	Node185	-5.61	-5.93	50	0	Natural	0.014	4.21	2426.1
Link1029	Node185	Node186	-5.93	-7.32	50	0	Natural	0.014	3.79	2445.9
Link1030	Node186	Node187	-7.32	-8.7	50	0	Natural	0.014	3.57	2462.5
Link1031	Node187	Node188	-8.7	-10	50	0	Natural	0.014	3.18	2477.0

Existing Conditions - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link1032	Node188	Node189	-10	-9.16	50	0	Natural	0.014	2.18	2448.8
Link1033	Node189	Node190	-9.16	-7.73	50	0	Natural	0.014	1.51	2380.1
Link1034	Node190	Node192	-7.73	-4.96	50	0	Natural	0.014	1.42	2269.5
Link1035	Node192	Forest Lakes W	-4.96	-0.03	50	0	Natural	0.014	1.31	2112.1
Link1036	Forest Lakes W	Node1353	-0.03	2.55	50	12.7	Natural	0.014	1.94	1968.9
Link1037	Node194	Node195	2.55	3.04	50	0	Natural	0.014	4.78	1093.3
Link1038	Node195	Node196	3.04	2.03	50	0	Natural	0.014	12.63	1132.1
Link1039	Node196	Node197	2.03	0.91	50	0	Natural	0.014	8.68	1119.8
Link1040	Node197	Node198	0.91	0.73	50	0	Natural	0.014	3.2	1133.4
Link1041	Node198	Node199	0.73	0.55	50	0	Natural	0.014	2.89	1137.5
Link1042	Node199	Node200	0.55	0.42	50	0	Natural	0.014	3.03	1105.8
Link1043	Node200	Node201	0.42	0.29	50	0	Natural	0.014	2.83	1130.9
Link1044	Node201	Country Club of Naples S_RPGC N	0.29	-0.02	50	0	Natural	0.014	2.38	1130.0
Link1045	Country Club of Naples S_RPGC N	Node203	-0.02	-0.4	50	0	Natural	0.014	2.02	1145.7
Link1046	Node203	Node204	-0.4	-0.27	50	0	Natural	0.014	2.56	1128.2
Link1047	Node204	Node205	-0.27	-0.16	50	0	Natural	0.014	2.88	1104.7
Link1048	Node205	Node206	-0.16	-0.2	50	0	Natural	0.014	3.12	1090.1
Link1049	Node206	Node207	-0.2	-0.23	50	0	Natural	0.014	2.93	1083.7
Link1050	Node207	Node208	-0.23	-0.18	50	0	Natural	0.014	2.66	1034.9
Link1051	Node208	Node209	-0.18	-0.15	50	0	Natural	0.014	2.81	1058.7
Link1052	Node209	Node210	-0.15	-0.37	50	0	Natural	0.014	2.69	1083.5
Link1053	Node210	Node211	-0.37	-0.59	50	0	Natural	0.014	2.33	1085.0
Link1054	Node211	Node212	-0.59	-0.62	50	0	Natural	0.014	2.15	1033.3
Link1055	Node212	Node213	-0.62	-0.3	50	0	Natural	0.014	2.07	1031.2
Link1056	Node213	Node214	-0.3	-0.34	50	0	Natural	0.014	2.22	1027.7
Link1057	Node214	Node215	-0.34	-0.36	50	0	Natural	0.014	1.87	1019.2
Link1058	Node215	Node216	-0.36	-0.61	50	0	Natural	0.014	2.21	999.3
Link1059	Node216	Node217	-0.61	-0.64	50	0	Natural	0.014	2.88	1012.7
Link1060	Node217	Node218	-0.64	-0.58	50	0	Natural	0.014	2.71	1018.4
Link1061	Node218	Node219	-0.58	-0.36	50	0	Natural	0.014	2.34	1006.2
Link1062	Node219	Node220	-0.36	0.03	50	0	Natural	0.014	2.51	1038.2
Link1063	Node220	Node221	0.03	0.3	50	0	Natural	0.014	2.8	1059.5
Link1064	Node221	Node222	0.3	0.45	50	0	Natural	0.014	3.15	1067.7
Link1065	Node222	Node223	0.45	0.28	50	0	Natural	0.014	3.62	1063.9
Link1066	Node223	Node224	0.28	0.02	50	0	Natural	0.014	2.95	1096.4
Link1067	Node224	Node225	0.02	-0.23	50	0	Natural	0.014	2.75	1059.6
Link1068	Node225	Node226	-0.23	-0.23	50	0	Natural	0.014	2.65	1199.5
Link1069	Node226	Node227	-0.23	-0.23	50	0	Natural	0.014	3.88	1201.7
Link1070	Node227	Node228	-0.23	-0.31	50	0	Natural	0.014	2.92	1200.4
Link1071	Node228	Node229	-0.31	-0.35	50	0	Natural	0.014	2.74	1197.4
Link1072	Node229	Node230	-0.35	-0.15	50	0	Natural	0.014	2.69	1188.0

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link1073	Node230	Node231	-0.15	0	50	0	Natural	0.014	2.63	1171.6
Link1075	Node232	Node233	-0.12	-0.22	50	0	Natural	0.014	2.75	1179.3
Link1076	Node233	Node234	-0.22	-0.38	50	0	Natural	0.014	2.62	1167.6
Link1077	Node234	Node235	-0.38	-1.4	50	0	Natural	0.014	2.55	1138.2
Link1078	Node235	Node236	-1.4	0.39	50	0	Natural	0.014	2.6	1094.5
Link1079	Node236	Node237	0.39	1.2	50	0	Natural	0.014	2.5	1039.2
Link1080	Node237	Node238	1.2	0.91	25	0	Natural	0.014	2.35	980.6
Link1081	Node238	RPGC C H	0.91	1.1	75	0	Natural	0.014	2.05	953.3
Link1082	RPGC C H	Node241	1.1	1.82	50	0	Natural	0.014	4.76	962.4
Link1083	Node241	Node242	1.82	1.78	50	0	Natural	0.014	4.74	964.2
Link1084	Node242	Node243	1.78	1.55	50	0	Natural	0.014	3.32	963.3
Link1085	Node243	Node244	1.55	1.31	50	0	Natural	0.014	3	959.7
Link1086	Node244	Node245	1.31	1.03	50	0	Natural	0.014	2.27	960.0
Link1087	Node245	Node246	1.03	0.72	50	0	Natural	0.014	1.99	963.7
Link1088	Node246	Node247	0.72	0.83	50	0	Natural	0.014	1.9	965.1
Link1089	Node247	Node249	0.83	1.01	50	0	Natural	0.014	2.35	963.4
Link1090	Node249	Node250	1.01	0.85	50	0	Natural	0.014	2.62	955.5
Link1091	Node250	Node251	0.85	0.56	50	0	Natural	0.014	2.67	941.0
Link1092	Node251	Node252	0.56	0.31	50	0	Natural	0.014	2.51	918.4
Link1093	Node252	Node253	0.31	0.29	50	0	Natural	0.014	2.42	918.1
Link1094	Node253	Hole-in-the-wall N	0.29	0.49	50	0	Natural	0.014	3.02	922.5
Link1095	Hole-in-the-wall N	Node255	0.49	0.67	50	0	Natural	0.014	3.42	926.8
Link1096	Node255	Node256	0.67	0.73	50	0	Natural	0.014	2.92	918.6
Link1097	Node256	Node257	0.73	0.82	50	0	Natural	0.014	2.19	923.5
Link1098	Node257	Node258	0.82	0.92	50	0	Natural	0.014	2.11	928.2
Link1099	Node258	Node259	0.92	0.9	50	0	Natural	0.014	2.57	930.7
Link1100	Node259	Node260	0.9	0.63	50	0	Natural	0.014	3.63	930.4
Link1101	Node260	Node261	0.63	0.4	50	0	Natural	0.014	3.52	927.4
Link1102	Node261	Node262	0.4	0.6	50	0	Natural	0.014	2.5	924.9
Link1103	Node262	Node263	0.6	0.63	50	0	Natural	0.014	2.29	924.1
Link1104	Node263	Node264	0.63	-1.27	50	0	Natural	0.014	2	921.9
Link1105	Node264	Node265	-1.27	-1.27	50	0	Natural	0.014	1.13	922.8
Link1106	Node265	Node266	-1.27	-1.66	50	0	Natural	0.014	0.95	921.8
Link1107	Node266	Node267	-1.66	-2.3	50	0	Natural	0.014	0.95	919.7
Link1108	Node267	Node268	-2.3	-1.36	50	0	Natural	0.014	1.44	917.8
Link1109	Node268	Node269	-1.36	0.08	50	0	Natural	0.014	2.94	915.3
Link1110	Node269	Node270	0.08	-0.11	50	0	Natural	0.014	3.29	911.5
Link1111	Node270	Node271	-0.11	-0.04	50	0	Natural	0.014	2	906.5
Link1112	Node271	Node272	-0.04	0.03	50	0	Natural	0.014	1.62	903.4
Link1113	Node272	Node273	0.03	0.09	50	0	Natural	0.014	1.36	899.3
Link1114	Node273	Node274	0.09	0.15	50	0	Natural	0.014	1.37	894.9

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link1115	Node274	Node275	0.15	0.22	50	0	Natural	0.014	1.21	890.1
Link1116	Node275	Node276	0.22	0.24	50	0	Natural	0.014	2.46	885.3
Link1117	Node276	Node277	0.24	0.26	50	0	Natural	0.014	2.55	881.0
Link1118	Node277	Node278	0.26	0.64	50	0	Natural	0.014	2.5	876.9
Link1119	Node278	Node279	0.64	0.58	50	0	Natural	0.014	2.17	873.0
Link1120	Node279	Node280	0.58	0.5	50	0	Natural	0.014	2.33	869.6
Link1121	Node280	Node281	0.5	0.54	50	0	Natural	0.014	2.8	866.2
Link1122	Node281	Node282	0.54	0.67	50	0	Natural	0.014	2.51	865.3
Link1123	Node282	Node283	0.67	0.83	50	0	Natural	0.014	2.2	867.8
Link1124	Node283	Node284	0.83	0.77	50	0	Natural	0.014	2.1	868.6
Link1125	Node284	Node285	0.77	0.68	50	0	Natural	0.014	2.7	868.3
Link1126	Node285	Node286	0.68	0.41	50	0	Natural	0.014	2.77	867.4
Link1127	Node286	Node287	0.41	0.15	50	0	Natural	0.014	2.99	866.0
Link1128	Node287	Node288	0.15	-0.12	50	0	Natural	0.014	2.94	863.9
Link1129	Node288	Node289	-0.12	-0.19	50	0	Natural	0.014	2.97	860.9
Link1130	Node289	Node290	-0.19	0.15	50	0	Natural	0.014	2.74	860.5
Link1131	Node290	Node291	0.15	0.43	50	0	Natural	0.014	2.37	858.6
Link1132	Node291	Node292	0.43	0.48	50	0	Natural	0.014	1.88	856.1
Link1133	Node292	Node293	0.48	0.52	50	0	Natural	0.014	1.62	854.1
Link1134	Node293	Node294	0.52	0.56	50	0	Natural	0.014	1.68	851.8
Link1135	Node294	Node295	0.56	0.48	50	0	Natural	0.014	1.95	849.0
Link1136	Node295	Node296	0.48	0.32	50	0	Natural	0.014	2.79	845.4
Link1137	Node296	Node297	0.32	0.15	50	0	Natural	0.014	3.09	841.6
Link1138	Node297	Hole-in-the-wall S	0.15	0.01	50	0	Natural	0.014	2.56	836.7
Link1139	Hole-in-the-wall S	Node299	0.01	-0.06	50	0	Natural	0.014	2.46	855.8
Link1140	Node299	Node300	-0.06	-0.13	50	0	Natural	0.014	2.33	853.5
Link1141	Node300	Node301	-0.13	-0.19	50	0	Natural	0.014	2.36	854.4
Link1142	Node301	Node302	-0.19	-0.26	50	0	Natural	0.014	2.11	854.5
Link1143	Node302	Node303	-0.26	-0.24	50	0	Natural	0.014	2.43	854.2
Link1144	Node303	Node304	-0.24	-0.23	50	0	Natural	0.014	2.8	853.1
Link1145	Node304	Node305	-0.23	-0.14	50	0	Natural	0.014	3.35	857.9
Link1146	Node305	Node306	-0.14	-0.04	50	0	Natural	0.014	2.72	861.4
Link1147	Node306	Node307	-0.04	0.06	50	0	Natural	0.014	2.74	864.2
Link1148	Node307	Node308	0.06	0.15	50	0	Natural	0.014	2.87	866.0
Link1149	Node308	Node309	0.15	0.2	50	0	Natural	0.014	3.16	866.7
Link1150	Node309	Royal Poincianna Golf Course	0.2	0.25	50	0	Natural	0.014	3.09	866.1
Link1151	Royal Poincianna Golf Course	Node311	0.25	0.3	50	0	Natural	0.014	1.33	621.1
Link1152	Node311	Node312	0.3	0.47	50	0	Natural	0.014	1.56	620.9
Link1153	Node312	Node313	0.47	0.83	50	0	Natural	0.014	1.69	620.8
Link1154	Node313	Node314	0.83	0.62	50	0	Natural	0.014	1.61	620.7
Link1155	Node314	Node315	0.62	0.45	50	0	Natural	0.014	1.7	620.8

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link1156	Node315	Node316	0.45	0.36	50	0	Natural	0.014	2.41	620.9
Link1157	Node316	Node317	0.36	0.5	50	0	Natural	0.014	2.46	621.0
Link1158	Node317	Node318	0.5	0.83	50	0	Natural	0.014	2.64	621.1
Link1159	Node318	Node319	0.83	0.86	50	0	Natural	0.014	2.83	621.1
Link1160	Node319	Node320	0.86	0.8	50	0	Natural	0.014	1.45	621.2
Link1161	Node320	Node321	0.8	0.65	50	0	Natural	0.014	1.69	621.3
Link1162	Node321	Node322	0.65	0.46	50	0	Natural	0.014	1.43	621.4
Link1163	Node322	Node323	0.46	0.19	50	0	Natural	0.014	1.34	621.5
Link1164	Node323	Node324	0.19	0.36	50	0	Natural	0.014	1.26	621.4
Link1165	Node324	Node325	0.36	0.69	50	0	Natural	0.014	1.37	621.2
Link1166	Node325	Node326	0.69	0.75	50	0	Natural	0.014	1.56	621.0
Link1167	Node326	Node327	0.75	0.43	50	0	Natural	0.014	1.34	620.7
Link1168	Node327	Node328	0.43	0.51	50	0	Natural	0.014	1.15	620.5
Link1169	Node328	Node329	0.51	0.61	50	0	Natural	0.014	0.69	620.5
Link1170	Node329	Node330	0.61	0.68	50	0	Natural	0.014	0.67	620.5
Link1171	Node330	Node331	0.68	0.73	50	0	Natural	0.014	0.57	620.6
Link1172	Node331	Node332	0.73	0.74	50	0	Natural	0.014	0.67	620.6
Link1173	Node332	Node333	0.74	-0.21	50	0	Natural	0.014	0.81	620.6
Link1174	Node333	Node334	-0.21	0.4	50	0	Natural	0.014	0.75	620.5
Link1175	Node334	Node335	0.4	0.43	50	0	Natural	0.014	1.07	620.4
Link1176	Node335	Node336	0.43	0.37	50	0	Natural	0.014	1.57	620.3
Link1177	Node336	Node337	0.37	0.06	50	0	Natural	0.014	1.39	620.2
Link1178	Node337	Node338	0.06	-0.65	50	0	Natural	0.014	1.33	620.3
Link1179	Node338	Node339	-0.65	-0.62	50	0	Natural	0.014	1.51	620.4
Link1180	Node339	Node340	-0.62	-0.54	50	0	Natural	0.014	1.46	620.4
Link1181	Node340	Node341	-0.54	-0.46	50	0	Natural	0.014	1.5	620.3
Link1182	Node341	Node342	-0.46	-0.45	50	0	Natural	0.014	1.42	620.2
Link1183	Node342	Node343	-0.45	-0.62	50	0	Natural	0.014	1.54	620.3
Link1184	Node343	Node344	-0.62	-0.79	50	0	Natural	0.014	1.48	620.3
Link1185	Node344	Node345	-0.79	-0.96	50	0	Natural	0.014	1.47	620.2
Link1186	Node345	Node346	-0.96	-1.05	50	0	Natural	0.014	1.48	620.1
Link1187	Node346	Node347	-1.05	-0.77	50	0	Natural	0.014	1.75	619.9
Link1188	Node347	Node348	-0.77	-0.49	50	0	Natural	0.014	1.57	619.9
Link1189	Node348	Node349	-0.49	-0.21	50	0	Natural	0.014	1.52	619.8
Link1190	Node349	Node350	-0.21	-0.47	50	0	Natural	0.014	1.47	619.5
Link1191	Node350	Node351	-0.47	-0.69	50	0	Natural	0.014	1.41	619.4
Link1192	Node351	Node352	-0.69	-0.91	50	0	Natural	0.014	1.47	619.3
Link1193	Node352	Node354	-0.91	-1.08	50	0	Natural	0.014	1.51	619.2
Link1194	Node354	Node355	-1.08	-0.85	50	0	Natural	0.014	1.5	619.5
Link1195	Node355	Node356	-0.85	-0.63	50	0	Natural	0.014	1.65	619.7
Link1196	Node356	Node357	-0.63	-0.4	50	0	Natural	0.014	1.68	619.9

Existing Conditions - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link1197	Node357	Node358	-0.4	-0.18	50	0	Natural	0.014	1.77	620.0
Link1198	Node358	Node359	-0.18	0.05	50	0	Natural	0.014	1.73	620.0
Link1199	Node359	Node360	0.05	0.27	50	0	Natural	0.014	1.84	620.3
Link1200	Node360	Node361	0.27	0.38	50	0	Natural	0.014	1.61	620.8
Link1201	Node361	Node362	0.38	0.22	50	0	Natural	0.014	1.63	621.3
Link1202	Node362	Node363	0.22	0.06	50	0	Natural	0.014	1.57	621.8
Link1203	Node363	Node364	0.06	-0.11	50	0	Natural	0.014	1.7	622.0
Link1204	Node364	Node365	-0.11	-0.27	50	0	Natural	0.014	1.77	621.9
Link1205	Node365	Node366	-0.27	-0.28	50	0	Natural	0.014	1.44	622.3
Link1206	Node366	Node367	-0.28	-0.26	50	0	Natural	0.014	1.51	622.7
Link1207	Node367	Node368	-0.26	-0.23	50	0	Natural	0.014	1.4	623.1
Link1208	Node368	Node369	-0.23	-0.21	50	0	Natural	0.014	1.41	623.3
Link1209	Node369	Node370	-0.21	-0.09	50	0	Natural	0.014	1.54	623.4
Link1210	Node370	Node371	-0.09	-0.34	50	0	Natural	0.014	1.52	623.1
Link1211	Node371	Node372	-0.34	-0.59	50	0	Natural	0.014	1.51	623.3
Link1212	Node372	Node373	-0.59	-0.84	50	0	Natural	0.014	1.48	623.7
Link1213	Node373	Node374	-0.84	-1.09	50	0	Natural	0.014	1.44	624.2
Link1214	Node374	Node375	-1.09	-0.95	50	0	Natural	0.014	1.42	624.4
Link1215	Node375	Node376	-0.95	-0.79	50	0	Natural	0.014	1.47	624.3
Link1216	Node376	Node377	-0.79	-0.64	50	0	Natural	0.014	1.5	623.9
Link1217	Node377	Node378	-0.64	-0.52	50	0	Natural	0.014	1.54	624.4
Link1218	Node378	Node379	-0.52	-0.66	50	0	Natural	0.014	1.57	625.0
Link1219	Node379	Node380	-0.66	-0.79	50	0	Natural	0.014	1.53	625.5
Link1220	Node380	Wilderness Country Club	-0.79	-0.93	50	0	Natural	0.014	1.43	625.7
Link1221	Wilderness Country Club	Node382	-0.93	-1.07	50	0	Natural	0.014	1.51	654.9
Link1222	Node382	Node383	-1.07	-0.97	50	0	Natural	0.014	1.73	655.6
Link1223	Node383	Node384	-0.97	-0.81	50	0	Natural	0.014	1.96	656.5
Link1224	Node384	Estuary at Gray Oaks	-0.81	-0.65	50	0	Natural	0.014	1.59	657.2
Link1225	Estuary at Gray Oaks	Node386	-0.65	-0.49	50	0	Natural	0.014	1.64	705.7
Link1226	Node386	Node387	-0.49	-0.41	50	0	Natural	0.014	1.56	705.5
Link1227	Node387	Node388	-0.41	-0.59	50	0	Natural	0.014	1.82	705.9
Link1228	Node388	Node389	-0.59	-0.77	50	0	Natural	0.014	3.01	1032.7
Link1229	Node389	Node390	-0.77	-0.95	50	0	Natural	0.014	2.28	1024.1
Link1230	Node390	Node391	-0.95	-1.1	50	0	Natural	0.014	2.31	1000.0
Link1231	Node391	Node392	-1.1	-1.09	50	0	Natural	0.014	2.58	963.3
Link1232	Node392	Node393	-1.09	-1.07	50	0	Natural	0.014	2.82	995.2
Link1233	Node393	Node394	-1.07	-1.06	50	0	Natural	0.014	2.39	1008.7
Link1234	Node394	Golden Gate Parkway.1	-1.06	-1.17	50	0	Natural	0.014	2.45	987.8
Link1235	Golden Gate Parkway.1	Node396	-1.17	-3.38	50	0	Natural	0.014	2.47	1018.2
Link1236	Node396	Node397	-3.38	-3.33	50	0	Natural	0.014	1.92	998.7
Link1237	Node397	Node398	-3.33	-2.89	50	0	Natural	0.014	2.02	995.5

Existing Conditions - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link1238	Node398	Node399	-2.89	-2.18	50	0	Natural	0.014	2.13	985.4
Link1239	Node399	Node400	-2.18	-1.46	50	0	Natural	0.014	2.07	1026.1
Link1240	Node400	Node401	-1.46	-1.65	50	0	Natural	0.014	2.31	1077.9
Link1241	Node401	Node402	-1.65	-0.8	50	0	Natural	0.014	3.06	1120.3
Link1242	Node402	Node1339	-0.8	-0.8	50	11.15	Natural	0.014	3.35	1106.7
Link1251	Goodlette Frank Road 2	Node414	3.99	3.99	500	0	Natural	0.014	0.43	19.4
Link1252	Node414	Node415	3.99	3.99	500	0	Natural	0.014	0.43	17.1
Link1253	Node415	Node416	3.99	3.61	500	0	Natural	0.014	0.48	15.6
Link1254	Node416	Node417	3.61	3.61	500	0	Natural	0.014	0.41	13.8
Link1255	Node417	Node418	3.61	0.9	500	0	Natural	0.014	0.35	11.1
Link1256	Node418	Node419	0.9	1.12	450	0	Natural	0.014	0.11	14.3
Link1257	Node419	RPGC C H	1.12	1.1	50	0	Natural	0.014	0.45	27.9
Link1258	WilsonMil	Coco Lakes	5.04	5.04	1065	0	Natural	0.014	0.28	8.3
Link1259	Coco Lakes	Node423	5.04	5.8	100	0	Natural	0.014	0.29	7.8
Link1260	Node423	Node424	5.8	6.05	100	0	Natural	0.014	0.36	7.7
Link1261	Node424	Node425	6.05	5.28	100	0	Natural	0.014	0.43	7.5
Link1262	Node425	Node426	5.28	5.13	100	0	Natural	0.014	0.48	7.4
Link1263	Node426	Node427	5.13	3.77	100	0	Natural	0.014	0.5	7.3
Link1264	Node427	Node428	3.77	4.42	100	0	Natural	0.014	0.24	7.2
Link1265	Node428	Node429	4.42	5.47	100	0	Natural	0.014	0.26	7.1
Link1266	Node429	Node430	5.47	5.28	100	0	Natural	0.014	0.49	7.1
Link1267	Node430	Node431	5.28	5.13	100	0	Natural	0.014	0.27	7.0
Link1268	Node431	Node432	5.13	4.12	100	0	Natural	0.014	0.18	6.9
Link1269	Node432	Node433	4.12	3.7	100	0	Natural	0.014	0.2	6.7
Link1270	Node433	Poinciana 1	3.7	4.54	100	0	Natural	0.014	-0.45	6.6
Link1271	Poinciana 1	Node435	4.54	2.02	100	0	Natural	0.014	1.04	18.7
Link1272	Node435	Node436	2.02	2.39	100	0	Natural	0.014	0.09	17.5
Link1273	Node436	Node437	2.39	2.19	100	0	Natural	0.014	0.43	16.3
Link1274	Node437	Node438	2.19	3.08	100	0	Natural	0.014	0.25	15.5
Link1275	Node438	Node439	3.08	3.14	100	0	Natural	0.014	0.09	14.9
Link1276	Node439	Node440	3.14	3.12	100	0	Natural	0.014	0.18	14.4
Link1277	Node440	Node441	3.12	2.92	100	0	Natural	0.014	0.18	14.0
Link1278	Node441	Node442	2.92	3.02	100	0	Natural	0.014	0.1	13.7
Link1279	Node442	Node443	3.02	3.12	100	0	Natural	0.014	0.16	13.4
Link1280	Node443	Node444	3.12	3.01	100	0	Natural	0.014	0.26	13.2
Link1281	Node444	Node445	3.01	4.49	100	0	Natural	0.014	0.16	12.9
Link1282	Node445	Node446	4.49	3.4	100	0	Natural	0.014	0.31	12.7
Link1283	Node446	Node447	3.4	3.61	100	0	Natural	0.014	0.44	12.4
Link1284	Node447	Poinciana 2	3.61	2.7	100	0	Natural	0.014	0.35	12.1
Link1285	Poinciana 2	Node449	2.7	2.8	100	0	Natural	0.014	0.25	11.5
Link1286	Node449	Node450	2.8	2.16	100	0	Natural	0.014	0.18	10.8

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link1287	Node450	Node451	2.16	2.64	100	0	Natural	0.014	0.07	11.1
Link1288	Node451	Node452	2.64	1.53	100	0	Natural	0.014	0.13	11.3
Link1289	Node452	Node453	1.53	2.3	100	0	Natural	0.014	-0.19	11.7
Link1290	Node453	Node454	2.3	2.19	100	0	Natural	0.014	0.15	12.0
Link1291	Node454	Coach House Lane	2.19	1.89	100	0	Natural	0.014	0.11	12.4
Link1292	Coach House Lane	Node456	1.89	2.84	100	0	Natural	0.014	-0.19	12.8
Link1293	Node456	Node457	2.84	1.99	100	0	Natural	0.014	0.17	13.2
Link1294	Node457	Node458	1.99	2.39	100	0	Natural	0.014	-0.08	13.6
Link1295	Node458	Node459	2.39	2.88	100	0	Natural	0.014	-0.33	13.9
Link1296	Node459	Node460	2.88	2.06	100	0	Natural	0.014	0.2	14.3
Link1297	Node460	Poinciana Elementary	2.06	1.89	100	0	Natural	0.014	0.26	14.6
Link1298	Poinciana Elementary	Node462	1.89	1.66	100	0	Natural	0.014	0.52	19.3
Link1299	Node462	Node463	1.66	1.66	100	0	Natural	0.014	0.15	19.7
Link1300	Node463	Node464	1.66	1.66	100	0	Natural	0.014	0.19	20.0
Link1301	Node464	Node465	1.66	1.66	100	0	Natural	0.014	0.11	20.4
Link1302	Node465	Node466	1.66	1.66	100	0	Natural	0.014	0.12	20.7
Link1303	Node466	Node467	1.66	1.93	100	0	Natural	0.014	0.12	21.0
Link1304	Node467	Node468	1.93	2.48	100	0	Natural	0.014	0.13	21.3
Link1305	Node468	Node469	2.48	2.48	100	0	Natural	0.014	0.08	21.7
Link1306	Node469	Node470	2.48	2.48	100	0	Natural	0.014	0.07	22.3
Link1307	Node470	Node471	2.48	2.48	100	0	Natural	0.014	0.08	22.9
Link1308	Node471	Node472	2.48	2.48	100	0	Natural	0.014	0.2	23.4
Link1309	Node472	Node473	2.48	2.48	100	0	Natural	0.014	0.22	23.7
Link1310	Node473	Node474	2.48	2.48	100	0	Natural	0.014	0.2	24.1
Link1311	Node474	Node475	2.48	2.48	25	0	Natural	0.014	0.32	24.4
Link1312	Node475	Node338	2.48	-0.65	75	0	Natural	0.014	0.18	24.7
Link1318	Node1313	Node1314	5.27	5.15	103	3.5	Trapezoidal	0.03	3.58	188.2
Link1319	Node1314	Node1315	5.15	4.63	115	3.5	Trapezoidal	0.03	3.64	188.2
Link1320	Node1315	Node1316	4.63	5.14	103	3.5	Trapezoidal	0.03	3.28	188.2
Link1321	Node1316	Node1317	5.14	4.49	217	3	Trapezoidal	0.03	3.72	188.2
Link1322	Node1317	Node1318	4.49	4.33	92	3	Trapezoidal	0.03	3.4	188.2
Link1323	Node1318	Node1319	4.33	4.22	97	3	Trapezoidal	0.03	3.39	188.2
Link1324	Node1319	Node1320	4.22	4.35	124	3	Trapezoidal	0.03	3.52	188.2
Link1326	Node1321	Node1322	3.63	3.92	125	2.5	Trapezoidal	0.03	3.45	188.2
Link1342	Node1320	Node1321	4.35	3.63	141	3	Trapezoidal	0.03	4.02	188.2
Link1343	Node1322	Wetland E	3.92	4.07	155	2.5	Trapezoidal	0.03	4.48	188.2
Link1359	Node476	Node477	-1.5	-1.5	50	0	Natural	0.014	2.66	1841.5
Link1360	Node477	Node890	-1.5	-1.5	50	0	Natural	0.014	4.23	1886.2
Link1363	Node1359	Node476	-1.5	-1.5	84	0	Natural	0.014	2.65	1756.5
Link1364	AMIL2	Node1359	-4.71	-1.5	115	0	Natural	0.014	2.08	1949.4
Link479	Node482	Node483	4.61	4.61	50	0	Natural	0.014	0.24	79.1

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link480	Node483	Node484	4.61	4.51	50	0	Natural	0.014	0.24	80.4
Link481	Node484	Node485	4.51	4.4	50	0	Natural	0.014	0.24	82.0
Link482	Node485	Node486	4.4	4.3	50	0	Natural	0.014	0.25	83.2
Link483	Node486	Node487	4.3	4.19	50	0	Natural	0.014	0.26	84.7
Link484	Node487	Aut Wds	4.19	4.09	50	0	Natural	0.014	0.27	86.1
Link485	Aut Wds	Node489	4.09	3.99	50	0	Natural	0.014	0.44	139.9
Link486	Node489	Node490	3.99	3.88	50	0	Natural	0.014	0.45	140.9
Link487	Node490	Node491	3.88	3.78	50	0	Natural	0.014	0.45	141.7
Link488	Node491	Node492	3.78	3.68	50	0	Natural	0.014	0.46	142.3
Link489	Node492	Node493	3.68	3.57	50	0	Natural	0.014	0.47	142.9
Link490	Node493	Node494	3.57	3.47	50	0	Natural	0.014	0.47	143.7
Link491	Node494	Node495	3.47	3.37	50	0	Natural	0.014	0.48	144.5
Link492	Node495	Node496	3.37	3.26	50	0	Natural	0.014	0.49	145.2
Link493	Node496	Node497	3.26	3.16	50	0	Natural	0.014	0.5	145.6
Link494	Node497	Node498	3.16	3.06	50	0	Natural	0.014	0.5	146.0
Link495	Node498	Node499	3.06	2.95	50	0	Natural	0.014	0.51	146.3
Link496	Node499	Node500	2.95	2.85	50	0	Natural	0.014	0.52	146.6
Link497	Node500	Node501	2.85	2.74	50	0	Natural	0.014	0.53	146.8
Link498	Node501	Node502	2.74	2.64	50	0	Natural	0.014	0.54	146.9
Link499	Node502	Node503	2.64	2.54	50	0	Natural	0.014	0.55	147.0
Link500	Node503	Node504	2.54	2.43	50	0	Natural	0.014	0.57	147.0
Link501	Node504	Node505	2.43	2.33	50	0	Natural	0.014	0.58	146.8
Link502	Node505	Node506	2.33	2.24	50	0	Natural	0.014	0.59	146.4
Link503	Node506	Node507	2.24	2.2	50	0	Natural	0.014	0.6	145.7
Link504	Node507	Node508	2.2	2.17	50	0	Natural	0.014	0.58	145.0
Link505	Node508	Node509	2.17	2.13	50	0	Natural	0.014	0.56	143.8
Link506	Node509	PRDS3	2.13	2.1	50	0	Natural	0.014	0.55	142.4
Link507	PRDS3	Node511	2.1	2.06	50	0	Natural	0.014	1.21	323.2
Link508	Node511	Node512	2.06	2.02	50	0	Natural	0.014	1.21	322.5
Link509	Node512	Node529	2.02	1.99	50	0	Natural	0.014	1.22	323.0
Link510	Node529	Node531	1.99	1.95	50	0	Natural	0.014	1.22	323.7
Link511	Node531	Node534	1.95	1.91	50	0	Natural	0.014	1.22	324.8
Link512	Node534	Node535	1.91	1.88	50	0	Natural	0.014	1.22	326.3
Link513	Node535	Node536	1.88	1.84	50	0	Natural	0.014	1.23	327.6
Link514	Node536	Node537	1.84	1.81	50	0	Natural	0.014	1.23	328.9
Link515	Node537	Node538	1.81	1.77	50	0	Natural	0.014	1.23	330.0
Link516	Node538	Node539	1.77	1.73	50	0	Natural	0.014	1.23	331.1
Link517	Node539	Node540	1.73	1.7	50	0	Natural	0.014	1.24	332.0
Link518	Node540	Node541	1.7	1.66	50	0	Natural	0.014	1.24	332.9
Link519	Node541	Node542	1.66	1.62	50	0	Natural	0.014	1.21	333.7
Link520	Node542	Node543	1.62	1.59	50	0	Natural	0.014	1.12	334.5

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link521	Node543	Node544	1.59	1.56	50	0	Natural	0.014	1.03	335.2
Link522	Node544	Node545	1.56	1.54	50	0	Natural	0.014	1.05	335.9
Link523	Node545	Node546	1.54	1.51	50	0	Natural	0.014	1.08	336.6
Link524	Node546	Node547	1.51	1.49	50	0	Natural	0.014	1.1	337.7
Link525	Node547	Node548	1.49	1.47	50	0	Natural	0.014	1.12	338.4
Link526	Node548	Node549	1.47	1.44	50	0	Natural	0.014	1.14	339.3
Link527	Node549	PRDS2	1.44	1.42	50	0	Natural	0.014	1.15	340.0
Link528	PRDS2	Node551	1.42	1.39	50	0	Natural	0.014	1.41	427.2
Link529	Node551	Node552	1.39	1.37	50	0	Natural	0.014	1.42	427.5
Link530	Node552	Node553	1.37	1.34	50	0	Natural	0.014	1.42	427.9
Link531	Node553	Node554	1.34	1.32	50	0	Natural	0.014	1.42	428.2
Link532	Node554	Node555	1.32	1.29	50	0	Natural	0.014	1.42	428.4
Link533	Node555	Node556	1.29	1.27	50	0	Natural	0.014	1.42	428.6
Link534	Node556	Node557	1.27	1.25	50	0	Natural	0.014	1.42	428.8
Link535	Node557	Node558	1.25	1.22	50	0	Natural	0.014	1.42	428.4
Link536	Node558	Node559	1.22	1.2	50	0	Natural	0.014	1.42	428.4
Link537	Node559	Node560	1.2	1.17	50	0	Natural	0.014	1.42	428.7
Link538	Node560	Node561	1.17	1.15	50	0	Natural	0.014	1.42	429.3
Link539	Node561	Node562	1.15	1.12	50	0	Natural	0.014	1.41	429.9
Link540	Node562	Node563	1.12	1.1	50	0	Natural	0.014	1.4	430.5
Link541	Node563	Node564	1.1	1.09	50	0	Natural	0.014	1.39	431.1
Link542	Node564	Node565	1.09	1.34	50	0	Natural	0.014	1.39	431.4
Link543	Node565	Node566	1.34	1.59	50	0	Natural	0.014	1.44	433.0
Link544	Node566	Node567	1.59	1.84	50	0	Natural	0.014	1.5	434.4
Link545	Node567	PRDS1	1.84	2.08	50	0	Natural	0.014	1.56	435.8
Link546	PRDS1	Node569	2.08	2.33	50	0	Natural	0.014	2.12	578.1
Link547	Node569	Node570	2.33	2.58	50	0	Natural	0.014	2.21	579.0
Link548	Node570	Node571	2.58	2.83	50	0	Natural	0.014	2.3	579.7
Link549	Node571	Node572	2.83	3.08	50	0	Natural	0.014	2.44	580.5
Link550	Node572	Node573	3.08	3.33	50	0	Natural	0.014	2.62	581.1
Link551	Node573	Node574	3.33	3.58	50	0	Natural	0.014	2.83	582.7
Link552	Node574	Node575	3.58	3.82	50	0	Natural	0.014	3.09	584.2
Link553	Node575	Node576	3.82	4.07	50	0	Natural	0.014	3.42	586.0
Link554	Node576	Node577	4.07	4.32	50	0	Natural	0.014	3.84	590.1
Link555	Node577	Node578	4.32	4.57	50	0	Natural	0.014	4.47	598.9
Link556	Node578	Node579	4.57	4.82	50	0	Natural	0.014	5.63	612.7
Link557	Node579	Node580	4.82	2	50	0	Natural	0.014	8.07	649.8
Link559	Node582	Node583	7.57	7.41	50	0	Natural	0.014	1.37	95.3
Link560	Node583	Node584	7.41	7.25	50	0	Natural	0.014	1.24	94.4
Link561	Node584	Node585	7.25	7.09	50	0	Natural	0.014	1.17	93.4
Link562	Node585	Node586	7.09	7.05	50	0	Natural	0.014	1.15	92.5

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link563	Node586	Node587	7.05	7.23	50	0	Natural	0.014	1.15	91.5
Link564	Node587	Node588	7.23	7.42	50	0	Natural	0.014	1.21	90.5
Link565	Node588	Node589	7.42	7.61	50	0	Natural	0.014	1.43	89.2
Link566	Node589	Node532	7.61	6.23	20	0	Natural	0.014	1.52	88.2
Link567	Node590	GF2	7.14	7.14	15	0	Natural	0.014	1.1	86.1
Link570	Node593	Node594	6.92	6.57	50	0	Natural	0.014	1.23	110.4
Link571	Node594	Node595	6.57	6.22	50	0	Natural	0.014	1.1	108.0
Link572	Node595	Node596	6.22	5.97	50	0	Natural	0.014	1.12	105.6
Link573	Node596	Node597	5.97	5.89	50	0	Natural	0.014	1.07	103.4
Link574	Node597	Node598	5.89	5.81	50	0	Natural	0.014	1.05	101.1
Link575	Node598	Node599	5.81	5.73	50	0	Natural	0.014	0.97	99.1
Link576	Node599	Node600	5.73	5.65	50	0	Natural	0.014	0.92	96.8
Link577	Node600	Node601	5.65	5.57	50	0	Natural	0.014	0.87	94.7
Link578	Node601	Node604	5.57	5.49	50	0	Natural	0.014	0.79	92.7
Link579	Node604	Node605	5.49	5.41	50	0	Natural	0.014	0.79	90.7
Link580	Node605	Node611	5.41	5.33	50	0	Natural	0.014	0.77	88.8
Link581	Node611	Node612	5.33	5.25	50	0	Natural	0.014	0.76	87.0
Link582	Node612	Node613	5.25	5.01	50	0	Natural	0.014	0.74	85.2
Link583	Node613	Node615	5.01	4.94	50	0	Natural	0.014	0.7	83.4
Link584	Node615	Node616	4.94	4.94	50	0	Natural	0.014	0.65	81.7
Link585	Node616	Node617	4.94	4.95	50	0	Natural	0.014	0.61	80.1
Link586	Node617	Node618	4.95	4.95	50	0	Natural	0.014	0.58	78.5
Link587	Node618	GF3	4.95	4.95	25	0	Natural	0.014	0.56	77.5
Link587.1	GF3	Node619	4.95	4.95	25	0	Natural	0.014	0.87	118.8
Link588	Node619	Node625	4.95	4.99	50	0	Natural	0.014	0.81	117.4
Link589	Node625	Node626	4.99	5.08	50	0	Natural	0.014	0.88	115.7
Link590	Node626	Node630	5.08	5.17	50	0	Natural	0.014	0.87	114.2
Link591	Node630	Node631	5.17	5.25	50	0	Natural	0.014	0.86	112.8
Link592	Node631	Node632	5.25	5.1	50	0	Natural	0.014	0.83	111.4
Link593	Node632	Node633	5.1	5.05	50	0	Natural	0.014	0.78	110.0
Link594	Node633	Node634	5.05	5.49	50	0	Natural	0.014	0.8	108.7
Link595	Node634	Node637	5.49	5.3	50	0	Natural	0.014	0.64	107.6
Link596	Node637	GF4	5.3	5.17	25	0	Natural	0.014	0.82	106.8
Link596.1	GF4	Node638	5.17	5.03	25	0	Natural	0.014	1.08	137.3
Link597	Node638	Node526	5.03	4.87	30	0	Natural	0.014	1.06	136.4
Link600	Node647	Node648	5.25	5.33	50	0	Natural	0.014	1.25	135.3
Link601	Node648	Node649	5.33	5.4	50	0	Natural	0.014	1.31	134.0
Link602	Node649	Node650	5.4	5.47	50	0	Natural	0.014	1.29	132.6
Link603	Node650	GF5	5.47	5.52	50	0	Natural	0.014	1.31	131.3
Link604	GF5	Node653	5.52	5.58	50	0	Natural	0.014	1.73	153.8
Link605	Node653	Node654	5.58	5.63	50	0	Natural	0.014	1.75	152.3

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link606	Node654	Node655	5.63	5.69	50	0	Natural	0.014	1.78	150.9
Link607	Node655	Node656	5.69	5.74	50	0	Natural	0.014	1.81	149.5
Link608	Node656	Node657	5.74	5.8	50	0	Natural	0.014	1.83	148.1
Link609	Node657	Node658	5.8	5.85	50	0	Natural	0.014	1.81	146.7
Link610	Node658	Node659	5.85	5.9	50	0	Natural	0.014	1.78	145.6
Link611	Node659	Node660	5.9	5.96	50	0	Natural	0.014	1.72	144.4
Link612	Node660	Node661	5.96	5.99	50	0	Natural	0.014	1.63	143.5
Link613	Node661	Node662	5.99	5.98	50	0	Natural	0.014	1.74	142.6
Link614	Node662	Node663	5.98	5.97	50	0	Natural	0.014	1.64	141.7
Link615	Node663	Node664	5.97	5.96	50	0	Natural	0.014	1.56	140.9
Link618	Node664	Node665	5.96	5.95	50	0	Natural	0.014	1.52	140.2
Link621	PRDS4	Node482	4.647	4.18	416	4	Circular	0.013	6.21	78.5
Link622	Node665	GF6	5.95	5.91	50	0	Natural	0.014	1.48	139.4
Link626	GF6	Node667	5.91	5.88	50	0	Natural	0.014	2.01	151.6
Link627	Node667	Node668	5.88	5.84	50	0	Natural	0.014	1.99	150.5
Link628	Node668	Node669	5.84	5.8	50	0	Natural	0.014	1.99	149.4
Link629	Node669	Node670	5.8	5.77	50	0	Natural	0.014	1.99	148.5
Link630	Node670	Node671	5.77	5.74	50	0	Natural	0.014	1.96	147.7
Link631	Node671	Node672	5.74	5.73	50	0	Natural	0.014	1.93	147.0
Link632	Node672	Node673	5.73	5.72	50	0	Natural	0.014	1.91	146.2
Link633	Node673	Node674	5.72	5.7	50	0	Natural	0.014	1.9	145.7
Link634	Node674	Node675	5.7	5.69	50	0	Natural	0.014	1.89	145.2
Link635	Node675	Node676	5.69	5.67	50	0	Natural	0.014	1.87	144.8
Link636	Node676	Node677	5.67	5.66	50	0	Natural	0.014	1.86	144.4
Link637	Node677	Node678	5.66	5.65	50	0	Natural	0.014	1.83	144.0
Link638	Node678	Node679	5.65	5.63	50	0	Natural	0.014	1.81	143.6
Link639	Node679	Node680	5.63	5.62	50	0	Natural	0.014	1.77	143.4
Link640	Node680	Node681	5.62	5.6	50	0	Natural	0.014	1.74	143.2
Link641	Node681	GF7	5.6	5.55	50	0	Natural	0.014	1.7	143.1
Link642	GF7	Node683	5.55	5.51	50	0	Natural	0.014	1.92	149.7
Link643	Node683	Node684	5.51	5.46	50	0	Natural	0.014	1.89	149.4
Link644	Node684	GF8	5.46	5.42	50	0	Natural	0.014	1.85	149.2
Link646	GF8	Node686	5.42	5.37	50	0	Natural	0.014	2.07	155.8
Link647	Node686	Node687	5.37	5.33	50	0	Natural	0.014	2.03	155.4
Link648	Node687	Node688	5.33	5.28	50	0	Natural	0.014	1.98	155.1
Link649	Node688	Node689	5.28	5.23	50	0	Natural	0.014	1.91	154.8
Link650	Node689	Node690	5.23	5.19	50	0	Natural	0.014	1.84	154.7
Link651	Node690	Node691	5.19	5.17	50	0	Natural	0.014	1.77	154.6
Link652	Node691	Node692	5.17	5.19	50	0	Natural	0.014	1.76	154.6
Link653	Node692	Node693	5.19	5.21	50	0	Natural	0.014	1.72	154.6
Link654	Node641	Node642	3.48	2.22	138	0.16	Natural	0.035	2.68	38.3

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link655	Node693	Node694	5.21	5.23	50	0	Natural	0.014	1.67	154.6
Link656	Node643	Node644	3.1	1.47	485	0.16	Natural	0.035	2.81	38.3
Link657	Node694	Node695	5.23	5.25	50	0	Natural	0.014	1.59	154.8
Link658	Node645	Node646	1.33	0.83	154	0.16	Natural	0.035	4.31	38.7
Link674	Node710	Node711	4.63	4.5	50	0	Natural	0.014	0.44	22.2
Link675	Node711	GF10	4.5	4.56	50	0	Natural	0.014	0.5	22.5
Link676	GF10	Node713	4.56	4.61	50	0	Natural	0.014	0.68	63.2
Link677	Node713	Node714	4.61	4.66	50	0	Natural	0.014	0.67	61.6
Link678	Node714	Node715	4.66	4.71	50	0	Natural	0.014	0.66	60.0
Link679	Node715	GF11a	4.71	4.76	50	0	Natural	0.014	0.64	58.3
Link680	GF11a	Node717	4.76	4.81	50	0	Natural	0.014	0.99	83.9
Link681	Node717	Node718	4.81	4.86	50	0	Natural	0.014	0.97	82.2
Link682	Node718	Node719	4.86	4.91	50	0	Natural	0.014	0.96	80.4
Link683	Node719	Node720	4.91	4.97	50	0	Natural	0.014	0.94	78.7
Link684	Node720	Node721	4.97	5	50	0	Natural	0.014	0.92	77.0
Link685	Node721	GF11b	5	5	50	0	Natural	0.014	0.89	75.4
Link686	GF11b	Node723	5	4.99	50	0	Natural	0.014	1.09	90.6
Link687	Node723	Node724	4.99	4.99	50	0	Natural	0.014	1.07	88.9
Link688	Node724	Node725	4.99	4.99	50	0	Natural	0.014	1.04	87.5
Link689	Node725	Node726	4.99	4.98	50	0	Natural	0.014	1.02	86.3
Link690	Node726	Node727	4.98	4.98	50	0	Natural	0.014	0.99	85.6
Link691	Node727	Node728	4.98	4.98	50	0	Natural	0.014	0.96	84.8
Link692	Node728	Node729	4.98	4.98	50	0	Natural	0.014	0.91	84.1
Link693	Node729	Node730	4.98	4.97	50	0	Natural	0.014	0.9	83.5
Link694	Node730	Node731	4.97	5	50	0	Natural	0.014	0.9	82.9
Link695	Node731	Node732	5	5.05	50	0	Natural	0.014	0.93	82.2
Link696	Node732	Node733	5.05	5.09	50	0	Natural	0.014	0.95	81.7
Link697	Node733	Node734	5.09	5.14	50	0	Natural	0.014	0.97	81.2
Link698	Node734	Node735	5.14	5.18	50	0	Natural	0.014	0.97	80.7
Link699	Node735	GF12	5.18	5.23	50	0	Natural	0.014	0.96	80.4
Link700	GF12	Node737	5.23	5.27	50	0	Natural	0.014	1.15	105.2
Link701	Node737	Node738	5.27	5.32	50	0	Natural	0.014	1.12	104.5
Link702	Node738	GF13	5.32	5.36	50	0	Natural	0.014	1.08	103.8
Link703	GF13	Node740	5.36	5.41	50	0	Natural	0.014	1.42	128.4
Link704	Node740	Node741	5.41	5.4	50	0	Natural	0.014	1.28	127.7
Link705	Node741	Node742	5.4	5.33	50	0	Natural	0.014	1.15	126.9
Link706	Node742	Node743	5.33	5.27	50	0	Natural	0.014	1.11	126.1
Link707	Node743	Node744	5.27	5.2	50	0	Natural	0.014	1.08	125.5
Link708	Node744	Node745	5.2	5.14	50	0	Natural	0.014	1.05	124.8
Link709	Node745	Node746	5.14	5.07	50	0	Natural	0.014	1.03	124.2
Link710	Node746	Node747	5.07	5	50	0	Natural	0.014	1.02	123.5

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link711	Node747	Node748	5	4.94	50	0	Natural	0.014	0.99	122.9
Link712	Node748	GF14	4.94	4.87	50	0	Natural	0.014	0.94	122.3
Link713	GF14	Node750	4.87	4.81	50	0	Natural	0.014	1.21	135.8
Link714	Node750	Node751	4.81	4.32	50	0	Natural	0.014	1.37	135.1
Link715	Node751	Node752	4.32	4.38	50	0	Natural	0.014	1.37	134.3
Link716	Node752	Node753	4.38	4.44	50	0	Natural	0.014	1.34	133.6
Link717	Node753	Node754	4.44	4.51	50	0	Natural	0.014	1.31	133.0
Link718	Node754	Node755	4.51	4.57	50	0	Natural	0.014	1.29	132.3
Link719	Node755	GF15	4.57	4.64	50	0	Natural	0.014	1.26	131.6
Link720	GF15	Node757	4.64	4.7	50	0	Natural	0.014	1.5	145.4
Link721	Node757	Node758	4.7	4.76	50	0	Natural	0.014	1.47	144.4
Link722	Node758	Node759	4.76	4.83	50	0	Natural	0.014	1.45	143.6
Link723	Node759	Node760	4.83	4.89	50	0	Natural	0.014	1.43	142.6
Link724	Node760	GF16a	4.89	4.94	50	0	Natural	0.014	1.4	141.8
Link727	Node763	Node764	5.96	5.56	50	0	Natural	0.014	2.32	158.9
Link728	Node764	Node765	5.56	5.46	50	0	Natural	0.014	2.14	158.4
Link729	Node765	Node766	5.46	5.35	50	0	Natural	0.014	2.17	157.8
Link730	Node766	Node767	5.35	5.25	50	0	Natural	0.014	2.2	157.2
Link731	Node767	Node768	5.25	5.15	50	0	Natural	0.014	2.24	156.6
Link732	Node768	GF16b	5.15	5.04	50	0	Natural	0.014	2.24	156.0
Link733	GF16b	Node770	5.04	4.94	50	0	Natural	0.014	2.76	185.7
Link734	Node770	Node771	4.94	4.86	50	0	Natural	0.014	2.78	185.0
Link735	Node771	Node772	4.86	4.82	50	0	Natural	0.014	2.58	184.3
Link736	Node772	Node773	4.82	4.78	50	0	Natural	0.014	2.32	183.4
Link737	Node773	Node774	4.78	4.7	50	0	Natural	0.014	2.09	182.7
Link738	Node774	Node775	4.7	4.59	50	0	Natural	0.014	1.83	181.8
Link739	Node775	Node776	4.59	4.49	50	0	Natural	0.014	1.8	180.9
Link740	Node776	Node777	4.49	4.38	50	0	Natural	0.014	1.09	180.0
Link741	Node777	Node778	4.38	4.27	50	0	Natural	0.014	1.87	179.1
Link742	Node778	Node779	4.27	4.17	50	0	Natural	0.014	1.69	178.2
Link743	Node779	High Point	4.17	4.06	50	0	Natural	0.014	1.54	177.4
Link744	High Point	Node781	4.06	3.97	50	0	Natural	0.014	0.81	119.7
Link745	Node781	Node782	3.97	3.95	50	0	Natural	0.014	0.78	119.8
Link746	Node782	Node783	3.95	3.94	50	0	Natural	0.014	0.81	120.0
Link747	Node783	Node784	3.94	3.92	50	0	Natural	0.014	0.83	120.1
Link748	Node784	Node785	3.92	3.9	50	0	Natural	0.014	0.84	120.2
Link749	Node785	Node786	3.9	3.88	50	0	Natural	0.014	0.85	120.4
Link750	Node786	Node787	3.88	3.86	50	0	Natural	0.014	0.86	120.5
Link751	Node787	Node788	3.86	3.85	50	0	Natural	0.014	0.87	120.7
Link752	Node788	Node789	3.85	3.83	50	0	Natural	0.014	0.87	120.9
Link753	Node789	Node790	3.83	3.81	50	0	Natural	0.014	0.88	121.0

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link754	Node790	Node791	3.81	3.8	50	0	Natural	0.014	0.88	121.2
Link757	GF17	Node794	5.19	5.1	50	0	Natural	0.014	1.96	130.3
Link758	Node794	Node795	5.1	4.96	50	0	Natural	0.014	1.36	130.4
Link759	Node795	Node796	4.96	4.83	50	0	Natural	0.014	1.33	130.6
Link760	Node796	Node797	4.83	4.7	50	0	Natural	0.014	1.3	130.7
Link761	Node797	Node798	4.7	4.57	50	0	Natural	0.014	1.26	130.8
Link762	Node798	Node799	4.57	4.43	50	0	Natural	0.014	1.22	131.0
Link763	Node799	Node800	4.43	4.3	50	0	Natural	0.014	1.18	131.1
Link764	Node800	Node801	4.3	3.92	50	0	Natural	0.014	1.12	131.3
Link765	Node801	Node802	3.92	4.08	50	0	Natural	0.014	1.12	131.5
Link766	Node802	BasinVA	4.08	4.25	50	0	Natural	0.014	1.19	131.7
Link767	BasinVA	Node804	4.25	4.42	50	0	Natural	0.014	1.25	131.8
Link768	Node804	Node805	4.42	4.59	50	0	Natural	0.014	1.31	132.0
Link769	Node805	Node806	4.59	4.75	50	0	Natural	0.014	1.38	132.2
Link770	Node806	GF18	4.75	4.2	50	0	Natural	0.014	1.39	132.4
Link773	Node809	Node810	4.28	2.69	50	0	Natural	0.014	1.77	139.4
Link774	Node810	Node811	2.69	4.72	50	0	Natural	0.014	2.14	139.5
Link775	Node811	Node812	4.72	4.69	50	0	Natural	0.014	2.15	139.6
Link776	Node812	Node813	4.69	4.66	50	0	Natural	0.014	2.14	139.7
Link777	Node813	Node814	4.66	4.64	50	0	Natural	0.014	2.12	139.8
Link778	Node814	GF19	4.64	4.61	50	0	Natural	0.014	2.11	139.9
Link779	GF19	Node816	4.61	4.58	50	0	Natural	0.014	2.14	142.5
Link780	Node816	Node817	4.58	4.55	50	0	Natural	0.014	2.13	142.6
Link781	Node817	Node818	4.55	4.51	50	0	Natural	0.014	2.11	142.7
Link782	Node818	Node819	4.51	4.43	50	0	Natural	0.014	2.1	142.8
Link783	Node819	Node820	4.43	4.35	50	0	Natural	0.014	2.09	143.0
Link784	Node820	Node821	4.35	4.31	50	0	Natural	0.014	2.07	143.1
Link785	Node821	Node822	4.31	4.35	50	0	Natural	0.014	2.07	143.3
Link786	Node822	Node823	4.35	4.38	50	0	Natural	0.014	2.06	143.5
Link787	Node823	Node824	4.38	4.42	50	0	Natural	0.014	2.05	143.6
Link788	Node824	Node825	4.42	4.45	50	0	Natural	0.014	2.04	143.8
Link789	Node825	Node826	4.45	4.49	50	0	Natural	0.014	2.03	144.0
Link790	Node826	Node827	4.49	4.52	50	0	Natural	0.014	2.03	144.1
Link791	Node827	GF20	4.52	4.56	50	0	Natural	0.014	2.04	144.3
Link792	GF20	Node829	4.56	4.59	50	0	Natural	0.014	2.06	146.9
Link793	Node829	Node830	4.59	4.63	50	0	Natural	0.014	2.07	147.1
Link794	Node830	Node831	4.63	4.66	50	0	Natural	0.014	2.07	147.2
Link795	Node831	Node832	4.66	4.69	50	0	Natural	0.014	2.08	147.4
Link796	Node832	Node833	4.69	4.71	50	0	Natural	0.014	2.11	147.6
Link797	Node833	Node834	4.71	4.74	50	0	Natural	0.014	2.14	147.8
Link798	Node834	GF22	4.74	4.77	50	0	Natural	0.014	2.18	148.0

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link799	GF22	Node836	4.77	4.79	50	0	Natural	0.014	2.22	148.4
Link800	Node836	Node837	4.79	4.82	50	0	Natural	0.014	2.27	148.6
Link801	Node837	Node838	4.82	4.84	50	0	Natural	0.014	2.33	148.7
Link802	Node838	Node839	4.84	4.87	50	0	Natural	0.014	2.41	148.9
Link803	Node839	Node840	4.87	4.9	50	0	Natural	0.014	2.5	149.2
Link804	Node840	GF21	4.9	4.99	20	0	Natural	0.014	2.63	149.3
Link807	Node843	Node844	0.1	0.65	50	0	Natural	0.014	1.4	153.3
Link808	Node844	Node845	0.65	1.21	50	0	Natural	0.014	1.52	153.5
Link809	Node845	Node846	1.21	1.76	50	0	Natural	0.014	1.6	153.7
Link810	Node846	Node847	1.76	2.31	50	0	Natural	0.014	1.73	153.9
Link811	Node847	Node848	2.31	2.87	50	0	Natural	0.014	1.83	154.2
Link812	Node848	Node849	2.87	3.42	50	0	Natural	0.014	1.98	154.4
Link813	Node849	Node850	3.42	3.98	50	0	Natural	0.014	2.11	154.7
Link814	Node850	GF23	3.98	4.25	50	0	Natural	0.014	2.23	155.0
Link815	GF23	Node852	4.25	3.95	50	0	Natural	0.014	2.19	166.1
Link816	Node852	Node853	3.95	3.65	50	0	Natural	0.014	2.02	166.2
Link817	Node853	Node854	3.65	3.36	50	0	Natural	0.014	1.78	166.4
Link818	Node854	Node855	3.36	3.06	50	0	Natural	0.014	1.61	166.6
Link819	Node855	GF24a	3.06	2.71	50	0	Natural	0.014	1.45	166.7
Link820	GF24a	Node857	2.71	3.23	50	0	Natural	0.014	0.16	-19.5
Link821	Node857	Node858	3.23	3.32	50	0	Natural	0.014	0.31	-20.1
Link822	Node858	Node859	3.32	3.41	50	0	Natural	0.014	0.3	-20.6
Link823	Node859	Node860	3.41	3.5	50	0	Natural	0.014	0.33	-21.1
Link824	Node860	Node861	3.5	3.72	50	0	Natural	0.014	0.39	-21.6
Link825	Node861	GF24b	3.72	4.12	50	0	Natural	0.014	0.51	-22.0
Link826	GF24b	Node863	4.12	4.29	50	0	Natural	0.014	0.87	20.7
Link827	Node863	Node864	4.29	4.34	50	0	Natural	0.014	0.63	20.7
Link831	Node867	Node868	4.31	4.57	50	0	Natural	0.014	0.92	20.8
Link832	Node868	Node869	4.57	4.83	50	0	Natural	0.014	0.87	20.8
Link833	Node869	Node870	4.83	5.09	50	0	Natural	0.014	0.89	20.9
Link834	Node870	Node871	5.09	5.18	50	0	Natural	0.014	1.14	20.9
Link835	Node871	Node872	5.18	4.97	50	0	Natural	0.014	1.19	21.0
Link836	Node872	Node873	4.97	4.75	50	0	Natural	0.014	0.92	21.0
Link837	Node873	Node874	4.75	4.53	50	0	Natural	0.014	0.76	21.1
Link839	Node875	Node876	4.36	4.66	50	0	Natural	0.014	0.58	21.2
Link840	Node876	Node877	4.66	4.95	50	0	Natural	0.014	0.76	21.3
Link841	Node877	Node878	4.95	5.01	50	0	Natural	0.014	1.37	21.3
Link842	Node878	Node879	5.01	4.98	50	0	Natural	0.014	1.8	21.4
Link843	Node879	Node880	4.98	4.91	50	0	Natural	0.014	1.84	21.4
Link844	Node880	Node881	4.91	4.83	50	0	Natural	0.014	1.72	21.5
Link845	Node881	Naples High	4.83	4.81	13	0	Natural	0.014	1.91	21.6

Existing Conditions - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link856	Node890	Node891	-1.5	-2.04	500	0	Natural	0.014	4.85	1496.4
Link857	Node891	Node892	-2.04	-3.74	600	0	Natural	0.014	4.61	1453.4
Link858	Node892	Node893	-3.74	-2.62	500	0	Natural	0.014	5.18	1444.2
Link859	Node893	Outfall.1	-2.62	-4.35	650	0	Natural	0.014	5.97	1444.2
Link862	GoldenGateParkway	Node895	4.39	4.26	50	0	Natural	0.014	1.13	31.1
Link863	Node895	Node896	4.26	4.12	50	0	Natural	0.014	1.11	29.9
Link864	Node896	Node897	4.12	4.1	50	0	Natural	0.014	1.08	29.6
Link865	Node897	Node898	4.1	4.23	50	0	Natural	0.014	1.16	29.5
Link866	Node898	CoastlandCenter	4.23	3.79	50	0	Natural	0.014	1.3	29.3
Link868	GF1	Node894	7.45	8.06	50	0	Natural	0.014	5.97	98.4
Link869	Node894	Node899	8.06	7.89	50	0	Natural	0.014	1.93	98.0
Link870	Node899	Node900	7.89	7.73	50	0	Natural	0.014	1.72	97.1
Link871	Node900	Node582	7.73	7.57	50	0	Natural	0.014	1.53	96.2
Link961	Node117	Node118	0.53	0.53	50	0	Natural	0.014	7.26	1084.2
Link962	Node118	Node119	0.53	-0.42	50	0	Natural	0.014	7.73	1154.4
Link963	Node119	Node120	-0.42	-3.31	50	0	Natural	0.014	2.22	1223.5
Link964	Node120	Node121	-3.31	-3.92	50	0	Natural	0.014	1.08	1412.9
Link965	Node121	Node122	-3.92	-2.62	50	0	Natural	0.014	0.98	1686.5
Link966	Node122	Node123	-2.62	-1.43	50	0	Natural	0.014	1.27	1991.3
Link967	Node123	Node124	-1.43	3.13	50	0	Natural	0.014	-3.44	2204.2
Link968	Node124	Node125	3.13	1.9	50	0	Natural	0.014	14.93	2305.3
Link969	Node125	Node126	1.9	0.69	50	0	Natural	0.014	13	2525.5
Link970	Node126	Node127	0.69	-0.52	50	0	Natural	0.014	9.31	2542.7
Link971	Node127	Node128	-0.52	-2.42	50	0	Natural	0.014	4.88	2518.4
Link972	Node128	Node129	-2.42	-2.48	50	0	Natural	0.014	4.34	2550.8
Link973	Node129	Node130	-2.48	-2.54	50	0	Natural	0.014	4.41	2543.3
Link974	Node130	Node131	-2.54	-2.6	50	0	Natural	0.014	4.43	2537.2
Link975	Node131	Node132	-2.6	-2.58	50	0	Natural	0.014	4.62	2487.1
Link976	Node132	Node133	-2.58	-2.34	50	0	Natural	0.014	4.5	2378.9
Link977	Node133	Node134	-2.34	-2.09	50	0	Natural	0.014	4.43	2228.6
Link978	Node134	Node135	-2.09	-1.85	50	0	Natural	0.014	4.33	2040.5
Link979	Node135	Node136	-1.85	-1.67	50	0	Natural	0.014	4.13	1853.1
Link980	Node136	Node137	-1.67	-1.62	50	0	Natural	0.014	3.88	1681.1
Link981	Node137	Node138	-1.62	-1.58	50	0	Natural	0.014	3.73	1597.3
Link982	Node138	Node139	-1.58	-1.53	50	0	Natural	0.014	3.55	1535.1
Link983	Node139	Node140	-1.53	-1.56	50	0	Natural	0.014	3.77	1429.0
Link984	Node140	Node141	-1.56	-1.76	50	0	Natural	0.014	3.77	1398.8
Link985	Node141	Node142	-1.76	-1.96	50	0	Natural	0.014	3.49	1362.6
Link986	Node142	Country Club of Naples N	-1.96	-2.15	50	0	Natural	0.014	3.21	1314.6
Link987	Country Club of Naples N	Node144	-2.15	-2.62	50	0	Natural	0.014	2.61	1387.9
Link988	Node144	Node145	-2.62	-3.4	50	0	Natural	0.014	2.25	1534.5

Existing Conditions - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)						
Link989	Node145	Node146	-3.4	-4.15	50	0	Natural	0.014	1.72	1701.2
Link990	Node146	Node147	-4.15	-3.33	50	0	Natural	0.014	0.92	1851.5
Link991	Node147	Node148	-3.33	-0.33	50	0	Natural	0.014	1.07	1998.7
Link992	Node148	Node149	-0.33	2.58	50	0	Natural	0.014	2.41	2134.6
Link993	Node149	Node150	2.58	3.21	50	0	Natural	0.014	7.75	2213.7
Link994	Node150	Node151	3.21	2.41	50	0	Natural	0.014	13.34	2238.5
Link995	Node151	Node152	2.41	1.6	50	0	Natural	0.014	11.62	2298.1
Link996	Node152	Node153	1.6	0.8	50	0	Natural	0.014	9.03	2369.6
Link997	Node153	Node154	0.8	-0.01	50	0	Natural	0.014	7.43	2418.7
Link998	Node154	Node155	-0.01	-0.81	50	0	Natural	0.014	6.21	2440.2
Link999	Node155	Node156	-0.81	-1.62	50	0	Natural	0.014	5.07	2462.2
MagLink	Magnolia	GFR N	8.72	8.54	120	1.5	Circular	0.013	4.76	8.5
MoorPipe	Moorings	BurnTree3	4.8	4.75	100	2.5	Circular	0.013	10.95	54.2
NB&T Link	NB&T	Pinewoods	7.59	6.81	50	1.25	Circular	0.013	10.21	25.3
Ohio 48in RCP	GF16a	Node763	5.14	4.84	106	4	Circular	0.013	12.61	159.2
Pompei 48x76 ERCP	GF2	Node593	7.14	7.13	106	6.33	Special	0.013	5.42	111.5
Pompei Orifice	Node532	Node590							10.83	0.6
Pompei Weir.1	Node532	Node590							0	87.0
PR UP Link	PR UP	Pine Ridge	8.1	8	50	2	Circular	0.013	4.12	13.0
PRCSLink	PRC Stub	Magnolia	9.5	9.008	12	2	Circular	0.013	-3.21	-10.2
PRLink1	Pine Ridge	GFR N	7.7	8	1500	3.5	Circular	0.013	1.87	18.1
PRLink2	PineRidge2	MissionSq	4.747	3.997	1500	3.5	Circular	0.013	2.11	21.0
PRLink3	MissionSq	Node580	4	3.7	1000	5	Circular	0.013	5.5	104.1
PRLink4	PineRidge3	Node580	3	2.85	500	6	Circular	0.013	2.71	57.5
PRMSPipe1	PRMS	MissionSq	7.5	7.215	150	1.25	Circular	0.013	3.75	4.7
PRMSPipe2	PRMS	MissionSq	6.93	6.84	150	3	Circular	0.013	5.26	29.3
RPGC Bridge	Node231	Node232	0	-0.12	50	0	Natural	0.014	0	0.0
RPGC Bridge#t	Node231	Node232	0	-0.12	10	0.05	9	0.014	0	0.0
RPGC Bridge#w	Node231	Node232							0	0.0
Solana 54-1	Node522	Node710	5.378	5	291	4.5	Circular	0.022	0.71	11.0
Solana 54-2	Node522	Node710	5.378	5	291	4.5	Circular	0.022	0.71	11.0
Solana Weir.1	Node695	Node523							0	154.8
Stormwater Pump1	Node614	Node628							0	1.2
Stormwater Pump2	Node614	Node628							0	5.2
Triple 24x38	Fleischmann Park	Node641	2.6	3.48	140	3.16	Special	0.013	2.47	38.3
Waterfall Weir	Node627	PondA							0	5.6
Wetland C-2weirs	Wetland C	Node635							0	11.3
Wetland C-grate	Wetland C	Node635							0	0.0
Wetland C-weir 1	Wetland C	Node635							0	2.1
Zoo Triple Ellipse	Node642	Node643	3.06	3.09	51	3.16	Special	0.013	2.48	38.3

All Proposed Improvements & Goodlette Frank Ditch Improvements

(No Pump Station)

25YR 3DAY

Node & Link Results

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
AMIL	-4.71	5.058
AMIL_ENT	-5.85	5.059
AMIL2	-4.71	4.867
Aut Wds	0	11.345
Burning	0	11.738
BurningSW	0	10.542
BurnTree3	0	11.439
ChurchRec	0	13.569
Coach House Lane	1.89	6.691
CoastlandCenter	0	5.626
Coco Lakes	5.04	7.907
Country Club of Naples N	-5	8.948
Country Club of Naples S_RPGC N	-0.02	9.813
Crossings	0	12.575
Estuary at Gray Oaks	-0.65	5.79
Fleischmann Park	0	5.715
Forest Lakes W	-1	8.777
ForestLksE	0	12.743
GF1	0	15.031
GF10	0	10.188
GF11a	0	10.17
GF11b	0	10.111
GF12	0	9.839
GF13	0	9.732
GF14	0	9.41
GF15	0	9.106
GF16a	0	8.749
GF16b	0	8.615
GF17	0	8.322
GF18	0	8.103
GF19	0	7.798
GF2	0	13.45
GF20	0	7.461
GF21	0	7.08
GF22	0	7.248
GF23	0	6.378
GF24a	0	6.209
GF24b	0	6.157
GF3	0	13.305
GF4	0	13.296
GF5	0	12.911
GF6	0	12.763

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
GF7	0	12.581
GF8	0	12.541
GF9	0	12.037
GFR N	0	15.455
GFR1	0	12.022
GFR3	0	7.303
Golden Gate Parkway.1	-1.17	5.212
Goodlette Frank Road 2	3.99	7.852
High Point	0	8.539
Hole-in-the-wall N	0.49	8.386
Hole-in-the-wall S	0.01	7.701
Magnolia	0	15.667
MissionSq	0	9.234
Moorings	0	11.608
Naples High	0	5.912
NB&T	0	11.406
Node1022	0	5.648
Node1023	0	5.626
Node1024	0	4.775
Node1025	-2	4.716
Node117	0.53	8.989
Node1309	0	5.627
Node1339	-4	5.049
Node1353	-1	8.756
Node1359	-1.5	4.863
Node1366	0	12.575
Node194	-1	9.315
Node195	3.04	9.441
Node196	2.03	9.814
Node197	0.91	9.828
Node198	0.73	9.825
Node199	0.55	9.822
Node200	0.42	9.816
Node201	0.29	9.812
Node203	-0.4	9.813
Node204	-0.27	9.806
Node205	-0.16	9.799
Node206	-0.2	9.789
Node207	-0.23	9.783
Node208	-0.18	9.778
Node209	-0.15	9.771

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
Node210	-0.37	9.768
Node211	-0.59	9.767
Node212	-0.62	9.763
Node213	-0.3	9.759
Node214	-0.34	9.756
Node215	-0.36	9.753
Node216	-0.61	9.752
Node217	-0.64	9.744
Node218	-0.58	9.739
Node219	-0.36	9.733
Node220	0.03	9.728
Node221	0.3	9.722
Node222	0.45	9.713
Node223	0.28	9.705
Node224	0.02	9.699
Node225	-0.23	9.693
Node226	-0.23	9.679
Node227	-0.23	9.663
Node228	-0.31	9.658
Node229	-0.35	9.653
Node230	-0.15	9.645
Node231	0	9.639
Node232	-0.12	9.639
Node233	-0.22	9.637
Node234	-0.38	9.635
Node235	-1.4	9.653
Node236	0.39	9.645
Node237	1.2	9.635
Node238	0.91	9.641
Node241	1.82	8.513
Node242	1.78	8.472
Node243	1.55	8.454
Node244	1.31	8.45
Node245	1.03	8.447
Node246	0.72	8.444
Node247	0.83	8.437
Node249	1.01	8.432
Node250	0.85	8.429
Node251	0.56	8.426
Node252	0.31	8.421
Node253	0.29	8.409

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
Node255	0.67	8.35
Node256	0.73	8.33
Node257	0.82	8.323
Node258	0.92	8.314
Node259	0.9	8.3
Node260	0.63	8.271
Node261	0.4	8.24
Node262	0.6	8.221
Node263	0.63	8.207
Node264	-1.27	8.236
Node265	-1.27	8.235
Node266	-1.66	8.236
Node267	-2.3	8.238
Node268	-1.36	8.235
Node269	0.08	8.205
Node270	-0.11	8.185
Node271	-0.04	8.18
Node272	0.03	8.179
Node273	0.09	8.177
Node274	0.15	8.175
Node275	0.22	8.173
Node276	0.24	8.155
Node277	0.26	8.125
Node278	0.64	8.101
Node279	0.58	8.088
Node280	0.5	8.076
Node281	0.54	8.055
Node282	0.67	8.027
Node283	0.83	8.005
Node284	0.77	7.99
Node285	0.68	7.971
Node286	0.41	7.951
Node287	0.15	7.924
Node288	-0.12	7.885
Node289	-0.19	7.848
Node290	0.15	7.823
Node291	0.43	7.808
Node292	0.48	7.798
Node293	0.52	7.791
Node294	0.56	7.781
Node295	0.48	7.769

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
Node296	0.32	7.745
Node297	0.15	7.716
Node299	-0.06	7.686
Node300	-0.13	7.679
Node301	-0.19	7.67
Node302	-0.26	7.66
Node303	-0.24	7.646
Node304	-0.23	7.623
Node305	-0.14	7.592
Node306	-0.04	7.568
Node307	0.06	7.541
Node308	0.15	7.509
Node309	0.2	7.473
Node311	0.3	7.453
Node312	0.47	7.435
Node313	0.83	7.413
Node314	0.62	7.395
Node315	0.45	7.37
Node316	0.36	7.333
Node317	0.5	7.305
Node318	0.83	7.261
Node319	0.86	7.21
Node320	0.8	7.208
Node321	0.65	7.175
Node322	0.46	7.158
Node323	0.19	7.15
Node324	0.36	7.139
Node325	0.69	7.125
Node326	0.75	7.111
Node327	0.43	7.102
Node328	0.51	7.097
Node329	0.61	7.096
Node330	0.68	7.093
Node331	0.73	7.091
Node332	0.74	7.089
Node333	-0.21	7.088
Node334	0.4	7.086
Node335	0.43	7.078
Node336	0.37	7.059
Node337	0.06	7.043
Node338	-0.65	7.043

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
Node339	-0.62	7.018
Node340	-0.54	7
Node341	-0.46	6.981
Node342	-0.45	6.965
Node343	-0.62	6.939
Node344	-0.79	6.921
Node345	-0.96	6.898
Node346	-1.05	6.871
Node347	-0.77	6.834
Node348	-0.49	6.789
Node349	-0.21	6.769
Node350	-0.47	6.754
Node351	-0.69	6.742
Node352	-0.91	6.722
Node354	-1.08	6.709
Node355	-0.85	6.684
Node356	-0.63	6.656
Node357	-0.4	6.625
Node358	-0.18	6.594
Node359	0.05	6.557
Node360	0.27	6.521
Node361	0.38	6.491
Node362	0.22	6.467
Node363	0.06	6.444
Node364	-0.11	6.411
Node365	-0.27	6.371
Node366	-0.28	6.34
Node367	-0.26	6.321
Node368	-0.23	6.301
Node369	-0.21	6.282
Node370	-0.09	6.252
Node371	-0.34	6.231
Node372	-0.59	6.206
Node373	-0.84	6.183
Node374	-1.09	6.163
Node375	-0.95	6.135
Node376	-0.79	6.102
Node377	-0.64	6.07
Node378	-0.52	6.032
Node379	-0.66	5.998
Node380	-0.79	5.966

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
Node382	-1.07	5.908
Node383	-0.97	5.869
Node384	-0.81	5.833
Node386	-0.49	5.74
Node387	-0.41	5.7
Node388	-0.59	5.647
Node389	-0.77	5.599
Node390	-0.95	5.564
Node391	-1.1	5.525
Node392	-1.09	5.442
Node393	-1.07	5.356
Node394	-1.06	5.284
Node396	-3.38	5.294
Node397	-3.33	5.268
Node398	-2.89	5.228
Node399	-2.18	5.189
Node400	-1.46	5.158
Node401	-1.65	5.147
Node402	-0.8	5.124
Node414	3.99	7.559
Node415	3.99	7.339
Node416	3.61	7.337
Node417	3.61	7.336
Node418	0.9	7.335
Node419	1.12	7.335
Node423	5.8	7.832
Node424	6.05	7.695
Node425	5.28	7.565
Node426	5.13	7.428
Node427	3.77	7.358
Node428	4.42	7.319
Node429	5.47	7.2
Node430	5.28	6.934
Node431	5.13	6.881
Node432	4.12	6.858
Node433	3.7	6.849
Node435	2.02	6.775
Node436	2.39	6.775
Node437	2.19	6.774
Node438	3.08	6.773
Node439	3.14	6.773

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
Node440	3.12	6.769
Node441	2.92	6.766
Node442	3.02	6.764
Node443	3.12	6.76
Node444	3.01	6.749
Node445	4.49	6.744
Node446	3.4	6.732
Node447	3.61	6.709
Node449	2.8	6.7
Node450	2.16	6.697
Node451	2.64	6.697
Node452	1.53	6.696
Node453	2.3	6.693
Node454	2.19	6.692
Node456	2.84	6.691
Node457	1.99	6.69
Node458	2.39	6.69
Node459	2.88	6.689
Node460	2.06	6.687
Node462	1.66	6.683
Node463	1.66	6.683
Node464	1.66	6.682
Node465	1.66	6.682
Node466	1.66	6.681
Node467	1.93	6.68
Node468	2.48	6.68
Node469	2.48	6.679
Node470	2.48	6.679
Node471	2.48	6.678
Node472	2.48	6.677
Node473	2.48	6.676
Node474	2.48	6.676
Node475	2.48	6.676
Node476	-1.5	4.857
Node477	-1.5	4.853
Node482	0	11.35
Node483	0	11.349
Node484	0	11.348
Node485	0	11.348
Node486	0	11.347
Node487	0	11.346

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
Node489	0	11.344
Node490	0	11.342
Node491	0	11.341
Node492	0	11.339
Node493	0	11.337
Node494	0	11.336
Node495	0	11.334
Node496	0	11.332
Node497	0	11.331
Node498	0	11.329
Node499	0	11.327
Node500	0	11.325
Node501	0	11.323
Node502	0	11.321
Node503	0	11.319
Node504	0	11.317
Node505	0	11.314
Node506	0	11.312
Node507	0	11.309
Node508	0	11.306
Node509	0	11.304
Node511	0	11.287
Node512	0	11.272
Node522	0	10.213
Node523	0	12.273
Node526	0	13.296
Node529	0	11.258
Node531	0	11.244
Node532	0	13.502
Node534	0	11.229
Node535	0	11.215
Node536	0	11.201
Node537	0	11.188
Node538	0	11.174
Node539	0	11.161
Node540	0	11.147
Node541	0	11.134
Node542	0	11.121
Node543	0	11.11
Node544	0	11.102
Node545	0	11.093

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
Node546	0	11.084
Node547	0	11.074
Node548	0	11.064
Node549	0	11.053
Node551	0	11.025
Node552	0	11.006
Node553	0	10.988
Node554	0	10.97
Node555	0	10.952
Node556	0	10.934
Node557	0	10.917
Node558	0	10.899
Node559	0	10.881
Node560	0	10.863
Node561	0	10.845
Node562	0	10.828
Node563	0	10.811
Node564	0	10.795
Node565	0	10.778
Node566	0	10.759
Node567	0	10.738
Node569	0	10.666
Node570	0	10.611
Node571	0	10.548
Node572	0	10.474
Node573	0	10.384
Node574	0	10.272
Node575	0	10.128
Node576	0	9.941
Node577	0	9.68
Node578	0	9.27
Node579	0	8.972
Node580	0	9.013
Node582	0	13.505
Node583	0	13.504
Node584	0	13.503
Node585	0	13.502
Node586	0	13.501
Node587	0	13.499
Node588	0	13.497
Node589	0	13.494

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
Node590	0	13.451
Node593	0	13.313
Node594	0	13.313
Node595	0	13.313
Node596	0	13.313
Node597	0	13.312
Node598	0	13.312
Node599	0	13.311
Node600	0	13.31
Node601	0	13.31
Node604	0	13.309
Node605	0	13.309
Node609	0	10.895
Node611	0	13.308
Node612	0	13.308
Node613	0	13.308
Node614	0	6.091
Node615	0	13.307
Node616	0	13.307
Node617	0	13.306
Node618	0	13.305
Node619	0	13.305
Node624	0	5.906
Node625	0	13.304
Node626	0	13.303
Node630	0	13.302
Node631	0	13.3
Node632	0	13.3
Node633	0	13.299
Node634	0	13.297
Node635	0	5.651
Node636	-1	5.651
Node637	0	13.296
Node638	0	13.296
Node641	0	5.703
Node642	0	5.39
Node643	0	5.386
Node644	0	4.168
Node645	0	4.167
Node646	0	3.525
Node647	0	12.933

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
Node648	0	12.929
Node649	0	12.924
Node650	0	12.918
Node651	0	3.521
Node653	0	12.902
Node654	0	12.89
Node655	0	12.876
Node656	0	12.859
Node657	0	12.845
Node658	0	12.831
Node659	0	12.82
Node660	0	12.809
Node661	0	12.801
Node662	0	12.792
Node663	0	12.785
Node664	0	12.777
Node665	0	12.77
Node667	0	12.754
Node668	0	12.745
Node669	0	12.735
Node670	0	12.724
Node671	0	12.713
Node672	0	12.702
Node673	0	12.69
Node674	0	12.678
Node675	0	12.666
Node676	0	12.654
Node677	0	12.642
Node678	0	12.628
Node679	0	12.616
Node680	0	12.603
Node681	0	12.591
Node683	0	12.569
Node684	0	12.554
Node686	0	12.53
Node687	0	12.52
Node688	0	12.511
Node689	0	12.502
Node690	0	12.496
Node691	0	12.488
Node692	0	12.479

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
Node693	0	12.471
Node694	0	12.462
Node695	0	12.452
Node710	0	10.188
Node711	0	10.188
Node713	0	10.184
Node714	0	10.179
Node715	0	10.175
Node717	0	10.161
Node718	0	10.151
Node719	0	10.142
Node720	0	10.132
Node721	0	10.122
Node723	0	10.096
Node724	0	10.079
Node725	0	10.061
Node726	0	10.043
Node727	0	10.023
Node728	0	10.002
Node729	0	9.981
Node730	0	9.96
Node731	0	9.94
Node732	0	9.921
Node733	0	9.902
Node734	0	9.882
Node735	0	9.861
Node737	0	9.804
Node738	0	9.768
Node740	0	9.683
Node741	0	9.645
Node742	0	9.619
Node743	0	9.591
Node744	0	9.563
Node745	0	9.535
Node746	0	9.506
Node747	0	9.477
Node748	0	9.446
Node750	0	9.365
Node751	0	9.378
Node752	0	9.324
Node753	0	9.271

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation
	(ft)	(ft)
Node754	0	9.216
Node755	0	9.161
Node757	0	9.04
Node758	0	8.972
Node759	0	8.902
Node760	0	8.829
Node763	0	8.647
Node780	-5	9.024
Node791	0	8.43
Node792	-5	9.018
Node793	-5	9.011
Node803	-5	9.007
Node807	-5	9.002
Node808	-5	8.996
Node809	0	7.937
Node815	-5	8.985
Node828	-5	8.967
Node835	-5	8.954
Node841	-5	8.94
Node842	-5	8.945
Node843	0	6.812
Node851	-5	8.968
Node856	-5	8.988
Node862	-5	9.004
Node864	0	6.08
Node865	-5	9.013
Node866	-5	9.015
Node867	0	6.059
Node874	0	5.974
Node875	0	5.969
Node882	-5	9.01
Node883	-5	8.997
Node884	-5	8.978
Node885	-5	8.956
Node886	-5	8.943
Node887	-5	8.962
Node888	-5	8.971
Node889	-5	8.97
Node890	-2	4.848
Node891	-3	4.568
Node892	-4	4.292

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation (ft)
	(ft)	
Node893	-3	3.971
Node894	0	13.509
Node895	0	5.626
Node899	0	13.507
Node900	0	13.506
Node901	-5	8.962
Node903	-5	8.931
Node904	-5	8.915
Node905	-5	8.921
Node906	-5	8.922
Node907	-5	8.922
Node908	-5	8.918
Node909	-5	8.903
Node910	-5	8.868
Node911	-5	8.872
Node912	-5	8.889
Node913	-5	8.9
Node914	-5	8.906
Node915	-5	8.908
Node916	-5	8.906
Node917	-5	8.903
Node918	-5	8.91
Node919	-5	8.915
Node920	-5	8.918
Node921	-5	8.92
Node922	-5	8.92
Node923	-5	8.919
Node924	-5	8.917
Node925	-5	8.913
Node926	-5	8.91
Node927	-5	8.909
Node928	-5	8.907
Node929	-5	8.903
Node930	-5	8.899
Node931	-5	8.893
Node932	-5	8.887
Node933	-5	8.881
Node934	-5	8.873
Node935	-5	8.866
Node936	-5	8.857
Node937	-5	8.845

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station)
25YR 3DAY

Node Name	Invert Elevation	Max Water Elevation (ft)
	(ft)	
Node938	-5	8.838
Node939	-5	8.834
Node940	-5	8.831
Node941	-5	8.828
Node942	-5	8.826
Node943	-5	8.823
Node944	-5	8.82
Node945	-5	8.816
Node946	-5	8.812
Node947	-5	8.806
Node948	-5	8.801
Node949	-5	8.796
Node950	-5	8.789
Outfall.1	-4.35	3.5
Pine Ridge	0	15.88
PineRidge2	0	8.58
PineRidge3	0	8.707
Pinewoods	0	10.642
Poinciana 1	4.54	6.837
Poinciana 2	2.7	6.702
Poinciana Elementary	1.89	6.686
PondA	-2.22	6.425
PR UP	0	11.772
PRC Stub	0	15.643
PRDS1	0	10.715
PRDS2	0	11.043
PRDS3	0	11.301
PRDS4	0	12.574
PRMS	0	9.284
Royal Poincianna Golf Course	0.25	7.466
RPGC C H	1.1	8.581
Wetland B	0	6.421
Wetland C	0	6.42
Wetland D	0	6.424
Wetland E	0	5.647
Wilderness Country Club	-0.93	5.939
WilsonMil	5.04	8.218

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station) - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream	Diameter			Link Shape	Roughness	Max Velocity	Max Flow
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)	(Height) (ft)					
18in RCP	Crossings	Node1366	6.73	5.37	649	1.5	Circular	0.013	0.25	0.5	
22nd Ave 5x12	Node864	Node867	2.63	2.63	135	5	Rectangular	0.013	2.36	194.8	
24in	GF9	Node522	5.55	5.38	130	2	Circular	0.013	10.66	33.9	
26th Ave 5x12	GF21	Node843	2.99	2.99	113	5	Rectangular	0.013	8.4	409.5	
30in RCP	Node1366	PRDS4	5.36	4.65	631	2.5	Circular	0.013	0.33	1.0	
36RCP to WetlandE	Node635	Node636	2.31	-1.00	34	3.5	Circular	0.013	0.72	6.2	
5X7 Box Culv	Node644	Node645	1.29	1.42	38	5	Rectangular	0.013	0.59	11.8	
AMIL Link	AMIL_ENT	AMIL	-4.71	-4.71	33	0	Natural	0.014	2	781.8	
Bottom Hinged Crest Gate1	AMIL	AMIL2							0	229.6	
Bottom Hinged Crest Gate2	AMIL	AMIL2							0	229.6	
BurnLink3	BurningSW	Node225	3.90	2.12	1000	6	Natural	0.06	2.46	232.6	
Caprock Weir 1.2	Node646	Node651							0	6.1	
Caprock Weir A2.1	Node646	Node651							0	6.9	
ChurchLink	ChurchRec	PRC Stub	9.50	9.00	285	1.5	Circular	0.013	-5.68	-10.2	
Conservancy Ditch	Node651	Outfall.1	0.76	-1.42	240	0	Natural	0.035	0.26	23.9	
Creech 5x12	GF18	Node809	3.40	3.40	100	5	Rectangular	0.013	6.98	392.3	
Dbl Box Culvert	Node1309	Fleischmann Park	1.93	1.93	222	4	Rectangular	0.013	0.52	24.9	
DBL HDPE sub 5x12	Node874	Node875	2.55	2.55	30	5	Rectangular	0.013	2.37	194.6	
Discharge Apron	Node636	Wetland E							0	24.5	
Double 29x45	CoastlandCenter	Node1309	3.86	1.93	1325	3.75	Special	0.013	1.69	8.3	
Forest SW	Pinewoods	Node1353	7.00	7.00	2500	1.68	Natural	0.06	1.05	104.2	
Forest Weir Proposed	Node1353	Node194							0	736.2	
ForestLink	ForestLksE	Pinewoods	5.04	4.95	495	2.5	Circular	0.013	5.5	54.7	
Freedom Park 5	Wetland E	Node388	3.28	2.70	1119	0	Natural	0.014	0.22	199.2	
gate 1	Node1353	Node194							0	476.8	
gate 2	Node1353	Node194							0	476.8	
gate 3	Node1353	Node194							0	476.8	
gate 4	Node1353	Node194							0	476.8	
GFR ERCP	GFR N	GF1	7.00	6.75	400	6.33	Special	0.013	4.27	88.1	
GFR3Link	GFR3	PondA	4.78	-2.22	340	4	Circular	0.013	5.26	18.6	
GFR6x12BoxCul	GF24a	Node614	2.03	2.03	150	6	Rectangular	0.013	5.55	277.1	
GoldenGatePkwy 4BoxCulv	Node1339	AMIL_ENT	-4.00	-5.85	200	10	Rectangular	0.013	2.14	781.8	
Granada 48x76 ERCP	Node526	Node647	6.63	6.50	107	6.33	Special	0.013	7.9	162.6	
Interconnect A-D	PondA	Wetland D	0.96	1.04	69	4	Circular	0.009	0.49	6.2	
Interconnect B-C	Wetland B	Wetland C	1.06	1.01	316	4.5	Circular	0.009	0.37	6.2	
Interconnect D-B	Wetland D	Wetland B	1.05	1.03	534	4.5	Circular	0.009	0.38	6.2	
Link102	Node580	Node117	2.00	2.00	118	9	Rectangular	0.013	8.83	1115.6	
Link1035	Node950	Forest Lakes W	-4.96	-0.03	50	0	Natural	0.014	2.21	2124.9	
Link1036	Forest Lakes W	Node1353	-1.00	-1.00	50	11.12	Natural	0.014	2.35	1984.5	
Link1037	Node194	Node195	-1.00	3.04	50	0	Natural	0.014	2.02	1218.2	
Link1038	Node195	Node196	3.04	2.03	50	0	Natural	0.014	12.14	1180.1	

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station) - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link1039	Node196	Node197	2.03	0.91	50	0	Natural	0.014	9.7	1180.1
Link1040	Node197	Node198	0.91	0.73	50	0	Natural	0.014	4.41	1182.1
Link1041	Node198	Node199	0.73	0.55	50	0	Natural	0.014	3.95	1179.1
Link1042	Node199	Node200	0.55	0.42	50	0	Natural	0.014	4.19	1153.4
Link1043	Node200	Node201	0.42	0.29	50	0	Natural	0.014	4.13	1126.8
Link1044	Node201	Country Club of Naples S_RPGC N	0.29	-0.02	50	0	Natural	0.014	3.69	1126.1
Link1045	Country Club of Naples S_RPGC N	Node203	-0.02	-0.40	50	0	Natural	0.014	3.32	1138.8
Link1046	Node203	Node204	-0.40	-0.27	50	0	Natural	0.014	2.93	1136.5
Link1047	Node204	Node205	-0.27	-0.16	50	0	Natural	0.014	3.28	1138.2
Link1048	Node205	Node206	-0.16	-0.20	50	0	Natural	0.014	3.74	1136.5
Link1049	Node206	Node207	-0.20	-0.23	50	0	Natural	0.014	3.54	1128.1
Link1050	Node207	Node208	-0.23	-0.18	50	0	Natural	0.014	3.2	1117.5
Link1051	Node208	Node209	-0.18	-0.15	50	0	Natural	0.014	3.29	1117.5
Link1052	Node209	Node210	-0.15	-0.37	50	0	Natural	0.014	3.27	1128.9
Link1053	Node210	Node211	-0.37	-0.59	50	0	Natural	0.014	2.86	1136.2
Link1054	Node211	Node212	-0.59	-0.62	50	0	Natural	0.014	2.85	1135.2
Link1055	Node212	Node213	-0.62	-0.30	50	0	Natural	0.014	2.83	1125.4
Link1056	Node213	Node214	-0.30	-0.34	50	0	Natural	0.014	3.17	1119.4
Link1057	Node214	Node215	-0.34	-0.36	50	0	Natural	0.014	2.16	1117.1
Link1058	Node215	Node216	-0.36	-0.61	50	0	Natural	0.014	3.06	1129.3
Link1059	Node216	Node217	-0.61	-0.64	50	0	Natural	0.014	3.77	1134.8
Link1060	Node217	Node218	-0.64	-0.58	50	0	Natural	0.014	3.32	1135.6
Link1061	Node218	Node219	-0.58	-0.36	50	0	Natural	0.014	2.87	1139.6
Link1062	Node219	Node220	-0.36	0.03	50	0	Natural	0.014	3.02	1131.7
Link1063	Node220	Node221	0.03	0.30	50	0	Natural	0.014	3.44	1119.5
Link1064	Node221	Node222	0.30	0.45	50	0	Natural	0.014	4.2	1112.7
Link1065	Node222	Node223	0.45	0.28	50	0	Natural	0.014	4.7	1128.0
Link1066	Node223	Node224	0.28	0.02	50	0	Natural	0.014	4.14	1112.5
Link1067	Node224	Node225	0.02	-0.23	50	0	Natural	0.014	4.03	1096.0
Link1068	Node225	Node226	-0.23	-0.23	50	0	Natural	0.014	4.02	1225.0
Link1069	Node226	Node227	-0.23	-0.23	50	0	Natural	0.014	4.24	1230.6
Link1070	Node227	Node228	-0.23	-0.31	50	0	Natural	0.014	3.14	1228.9
Link1071	Node228	Node229	-0.31	-0.35	50	0	Natural	0.014	2.95	1222.1
Link1072	Node229	Node230	-0.35	-0.15	50	0	Natural	0.014	2.89	1211.4
Link1073	Node230	Node231	-0.15	0.00	50	0	Natural	0.014	2.76	1197.5
Link1075	Node232	Node233	-0.12	-0.22	50	0	Natural	0.014	2.8	1169.1
Link1076	Node233	Node234	-0.22	-0.38	50	0	Natural	0.014	2.66	1144.9
Link1077	Node234	Node235	-0.38	-1.40	50	0	Natural	0.014	2.6	1109.6
Link1078	Node235	Node236	-1.40	0.39	50	0	Natural	0.014	2.69	1058.3
Link1079	Node236	Node237	0.39	1.20	50	0	Natural	0.014	2.6	1045.8
Link1080	Node237	Node238	1.20	0.91	25	0	Natural	0.014	2.4	1044.9

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station) - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link1081	Node238	RPGC C H	0.91	1.10	75	0	Natural	0.014	2.16	1044.0
Link1082	RPGC C H	Node241	1.10	1.82	50	0	Natural	0.014	4.95	1050.8
Link1083	Node241	Node242	1.82	1.78	50	0	Natural	0.014	4.56	1049.4
Link1084	Node242	Node243	1.78	1.55	50	0	Natural	0.014	3.67	1047.7
Link1085	Node243	Node244	1.55	1.31	50	0	Natural	0.014	2.98	1046.3
Link1086	Node244	Node245	1.31	1.03	50	0	Natural	0.014	2.46	1045.2
Link1087	Node245	Node246	1.03	0.72	50	0	Natural	0.014	2.1	1044.0
Link1088	Node246	Node247	0.72	0.83	50	0	Natural	0.014	2	1042.3
Link1089	Node247	Node249	0.83	1.01	50	0	Natural	0.014	2.49	1040.9
Link1090	Node249	Node250	1.01	0.85	50	0	Natural	0.014	2.8	1039.5
Link1091	Node250	Node251	0.85	0.56	50	0	Natural	0.014	2.87	1038.6
Link1092	Node251	Node252	0.56	0.31	50	0	Natural	0.014	2.75	1037.6
Link1093	Node252	Node253	0.31	0.29	50	0	Natural	0.014	2.64	1036.1
Link1094	Node253	Hole-in-the-wall N	0.29	0.49	50	0	Natural	0.014	3.3	1034.7
Link1095	Hole-in-the-wall N	Node255	0.49	0.67	50	0	Natural	0.014	3.27	1037.3
Link1096	Node255	Node256	0.67	0.73	50	0	Natural	0.014	3	1035.8
Link1097	Node256	Node257	0.73	0.82	50	0	Natural	0.014	2.36	1034.6
Link1098	Node257	Node258	0.82	0.92	50	0	Natural	0.014	2.26	1033.5
Link1099	Node258	Node259	0.92	0.90	50	0	Natural	0.014	2.76	1032.1
Link1100	Node259	Node260	0.90	0.63	50	0	Natural	0.014	3.79	1030.6
Link1101	Node260	Node261	0.63	0.40	50	0	Natural	0.014	3.37	1029.8
Link1102	Node261	Node262	0.40	0.60	50	0	Natural	0.014	2.66	1028.9
Link1103	Node262	Node263	0.60	0.63	50	0	Natural	0.014	2.43	1027.7
Link1104	Node263	Node264	0.63	-1.27	50	0	Natural	0.014	2.1	1027.1
Link1105	Node264	Node265	-1.27	-1.27	50	0	Natural	0.014	1.19	1026.1
Link1106	Node265	Node266	-1.27	-1.66	50	0	Natural	0.014	1	1025.1
Link1107	Node266	Node267	-1.66	-2.30	50	0	Natural	0.014	1.01	1023.9
Link1108	Node267	Node268	-2.30	-1.36	50	0	Natural	0.014	1.5	1022.8
Link1109	Node268	Node269	-1.36	0.08	50	0	Natural	0.014	3.15	1021.9
Link1110	Node269	Node270	0.08	-0.11	50	0	Natural	0.014	3.53	1021.0
Link1111	Node270	Node271	-0.11	-0.04	50	0	Natural	0.014	2.09	1020.5
Link1112	Node271	Node272	-0.04	0.03	50	0	Natural	0.014	1.71	1019.7
Link1113	Node272	Node273	0.03	0.09	50	0	Natural	0.014	1.46	1018.7
Link1114	Node273	Node274	0.09	0.15	50	0	Natural	0.014	1.48	1017.8
Link1115	Node274	Node275	0.15	0.22	50	0	Natural	0.014	1.31	1016.7
Link1116	Node275	Node276	0.22	0.24	50	0	Natural	0.014	2.59	1015.6
Link1117	Node276	Node277	0.24	0.26	50	0	Natural	0.014	2.66	1014.7
Link1118	Node277	Node278	0.26	0.64	50	0	Natural	0.014	2.62	1014.0
Link1119	Node278	Node279	0.64	0.58	50	0	Natural	0.014	2.3	1013.2
Link1120	Node279	Node280	0.58	0.50	50	0	Natural	0.014	2.46	1012.1
Link1121	Node280	Node281	0.50	0.54	50	0	Natural	0.014	2.97	1011.1

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link1122	Node281	Node282	0.54	0.67	50	0	Natural	0.014	2.68	1010.1
Link1123	Node282	Node283	0.67	0.83	50	0	Natural	0.014	2.38	1009.0
Link1124	Node283	Node284	0.83	0.77	50	0	Natural	0.014	2.28	1008.0
Link1125	Node284	Node285	0.77	0.68	50	0	Natural	0.014	2.95	1007.4
Link1126	Node285	Node286	0.68	0.41	50	0	Natural	0.014	3.01	1006.7
Link1127	Node286	Node287	0.41	0.15	50	0	Natural	0.014	3.23	1005.8
Link1128	Node287	Node288	0.15	-0.12	50	0	Natural	0.014	3.17	1004.9
Link1129	Node288	Node289	-0.12	-0.19	50	0	Natural	0.014	3.18	1003.8
Link1130	Node289	Node290	-0.19	0.15	50	0	Natural	0.014	2.96	1002.5
Link1131	Node290	Node291	0.15	0.43	50	0	Natural	0.014	2.58	1001.5
Link1132	Node291	Node292	0.43	0.48	50	0	Natural	0.014	2.07	1000.3
Link1133	Node292	Node293	0.48	0.52	50	0	Natural	0.014	1.8	998.8
Link1134	Node293	Node294	0.52	0.56	50	0	Natural	0.014	1.87	997.4
Link1135	Node294	Node295	0.56	0.48	50	0	Natural	0.014	2.16	996.4
Link1136	Node295	Node296	0.48	0.32	50	0	Natural	0.014	3.04	995.4
Link1137	Node296	Node297	0.32	0.15	50	0	Natural	0.014	3.42	994.4
Link1138	Node297	Hole-in-the-wall S	0.15	0.01	50	0	Natural	0.014	2.83	993.4
Link1139	Hole-in-the-wall S	Node299	0.01	-0.06	50	0	Natural	0.014	2.72	1020.3
Link1140	Node299	Node300	-0.06	-0.13	50	0	Natural	0.014	2.61	1018.7
Link1141	Node300	Node301	-0.13	-0.19	50	0	Natural	0.014	2.65	1017.1
Link1142	Node301	Node302	-0.19	-0.26	50	0	Natural	0.014	2.4	1015.4
Link1143	Node302	Node303	-0.26	-0.24	50	0	Natural	0.014	2.73	1013.7
Link1144	Node303	Node304	-0.24	-0.23	50	0	Natural	0.014	3.11	1012.3
Link1145	Node304	Node305	-0.23	-0.14	50	0	Natural	0.014	3.74	1010.6
Link1146	Node305	Node306	-0.14	-0.04	50	0	Natural	0.014	3.02	1008.7
Link1147	Node306	Node307	-0.04	0.06	50	0	Natural	0.014	3.05	1006.7
Link1148	Node307	Node308	0.06	0.15	50	0	Natural	0.014	3.24	1004.6
Link1149	Node308	Node309	0.15	0.20	50	0	Natural	0.014	3.57	1002.7
Link1150	Node309	Royal Poincianna Golf Course	0.20	0.25	50	0	Natural	0.014	3.39	1000.5
Link1151	Royal Poincianna Golf Course	Node311	0.25	0.30	50	0	Natural	0.014	1.53	690.5
Link1152	Node311	Node312	0.30	0.47	50	0	Natural	0.014	1.76	689.8
Link1153	Node312	Node313	0.47	0.83	50	0	Natural	0.014	1.94	689.4
Link1154	Node313	Node314	0.83	0.62	50	0	Natural	0.014	2.16	688.9
Link1155	Node314	Node315	0.62	0.45	50	0	Natural	0.014	2.3	688.3
Link1156	Node315	Node316	0.45	0.36	50	0	Natural	0.014	2.59	687.7
Link1157	Node316	Node317	0.36	0.50	50	0	Natural	0.014	2.65	687.3
Link1158	Node317	Node318	0.50	0.83	50	0	Natural	0.014	2.91	686.9
Link1159	Node318	Node319	0.83	0.86	50	0	Natural	0.014	3.14	686.5
Link1160	Node319	Node320	0.86	0.80	50	0	Natural	0.014	1.68	686.1
Link1161	Node320	Node321	0.80	0.65	50	0	Natural	0.014	2.31	685.6
Link1162	Node321	Node322	0.65	0.46	50	0	Natural	0.014	1.91	685.1

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Length (ft)	Diameter (Height) (ft)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)							
Link1163	Node322	Node323	0.46	0.19	50	0	Natural	0.014	1.65	684.6	
Link1164	Node323	Node324	0.19	0.36	50	0	Natural	0.014	1.61	684.0	
Link1165	Node324	Node325	0.36	0.69	50	0	Natural	0.014	1.7	683.4	
Link1166	Node325	Node326	0.69	0.75	50	0	Natural	0.014	1.94	682.7	
Link1167	Node326	Node327	0.75	0.43	50	0	Natural	0.014	1.78	682.1	
Link1168	Node327	Node328	0.43	0.51	50	0	Natural	0.014	1.34	681.3	
Link1169	Node328	Node329	0.51	0.61	50	0	Natural	0.014	0.79	680.6	
Link1170	Node329	Node330	0.61	0.68	50	0	Natural	0.014	0.77	679.8	
Link1171	Node330	Node331	0.68	0.73	50	0	Natural	0.014	0.65	678.8	
Link1172	Node331	Node332	0.73	0.74	50	0	Natural	0.014	0.77	677.8	
Link1173	Node332	Node333	0.74	-0.21	50	0	Natural	0.014	0.94	676.8	
Link1174	Node333	Node334	-0.21	0.40	50	0	Natural	0.014	0.87	676.0	
Link1175	Node334	Node335	0.40	0.43	50	0	Natural	0.014	1.26	675.3	
Link1176	Node335	Node336	0.43	0.37	50	0	Natural	0.014	1.83	675.0	
Link1177	Node336	Node337	0.37	0.06	50	0	Natural	0.014	1.64	674.8	
Link1178	Node337	Node338	0.06	-0.65	50	0	Natural	0.014	1.56	674.5	
Link1179	Node338	Node339	-0.65	-0.62	50	0	Natural	0.014	1.79	674.1	
Link1180	Node339	Node340	-0.62	-0.54	50	0	Natural	0.014	1.72	673.9	
Link1181	Node340	Node341	-0.54	-0.46	50	0	Natural	0.014	1.77	673.7	
Link1182	Node341	Node342	-0.46	-0.45	50	0	Natural	0.014	1.68	673.5	
Link1183	Node342	Node343	-0.45	-0.62	50	0	Natural	0.014	1.84	673.2	
Link1184	Node343	Node344	-0.62	-0.79	50	0	Natural	0.014	1.76	673.0	
Link1185	Node344	Node345	-0.79	-0.96	50	0	Natural	0.014	1.75	672.9	
Link1186	Node345	Node346	-0.96	-1.05	50	0	Natural	0.014	1.77	672.7	
Link1187	Node346	Node347	-1.05	-0.77	50	0	Natural	0.014	2.09	672.5	
Link1188	Node347	Node348	-0.77	-0.49	50	0	Natural	0.014	1.9	672.3	
Link1189	Node348	Node349	-0.49	-0.21	50	0	Natural	0.014	1.84	672.2	
Link1190	Node349	Node350	-0.21	-0.47	50	0	Natural	0.014	1.78	672.0	
Link1191	Node350	Node351	-0.47	-0.69	50	0	Natural	0.014	1.7	671.8	
Link1192	Node351	Node352	-0.69	-0.91	50	0	Natural	0.014	1.79	671.6	
Link1193	Node352	Node354	-0.91	-1.08	50	0	Natural	0.014	1.89	671.4	
Link1194	Node354	Node355	-1.08	-0.85	50	0	Natural	0.014	1.97	671.3	
Link1195	Node355	Node356	-0.85	-0.63	50	0	Natural	0.014	2.25	671.2	
Link1196	Node356	Node357	-0.63	-0.40	50	0	Natural	0.014	2.18	671.0	
Link1197	Node357	Node358	-0.40	-0.18	50	0	Natural	0.014	2.28	670.8	
Link1198	Node358	Node359	-0.18	0.05	50	0	Natural	0.014	2.2	670.7	
Link1199	Node359	Node360	0.05	0.27	50	0	Natural	0.014	2.35	670.6	
Link1200	Node360	Node361	0.27	0.38	50	0	Natural	0.014	2.04	670.4	
Link1201	Node361	Node362	0.38	0.22	50	0	Natural	0.014	2.08	670.2	
Link1202	Node362	Node363	0.22	0.06	50	0	Natural	0.014	2	670.1	
Link1203	Node363	Node364	0.06	-0.11	50	0	Natural	0.014	2.21	670.0	

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link1204	Node364	Node365	-0.11	-0.27	50	0	Natural	0.014	2.33	669.9
Link1205	Node365	Node366	-0.27	-0.28	50	0	Natural	0.014	1.84	669.7
Link1206	Node366	Node367	-0.28	-0.26	50	0	Natural	0.014	1.95	669.6
Link1207	Node367	Node368	-0.26	-0.23	50	0	Natural	0.014	1.79	669.5
Link1208	Node368	Node369	-0.23	-0.21	50	0	Natural	0.014	1.81	669.4
Link1209	Node369	Node370	-0.21	-0.09	50	0	Natural	0.014	2.01	669.3
Link1210	Node370	Node371	-0.09	-0.34	50	0	Natural	0.014	2	669.1
Link1211	Node371	Node372	-0.34	-0.59	50	0	Natural	0.014	1.98	669.1
Link1212	Node372	Node373	-0.59	-0.84	50	0	Natural	0.014	1.95	669.0
Link1213	Node373	Node374	-0.84	-1.09	50	0	Natural	0.014	1.88	668.9
Link1214	Node374	Node375	-1.09	-0.95	50	0	Natural	0.014	1.86	669.0
Link1215	Node375	Node376	-0.95	-0.79	50	0	Natural	0.014	1.95	669.0
Link1216	Node376	Node377	-0.79	-0.64	50	0	Natural	0.014	2.01	669.0
Link1217	Node377	Node378	-0.64	-0.52	50	0	Natural	0.014	2.06	669.0
Link1218	Node378	Node379	-0.52	-0.66	50	0	Natural	0.014	2.1	669.0
Link1219	Node379	Node380	-0.66	-0.79	50	0	Natural	0.014	2.07	669.0
Link1220	Node380	Wilderness Country Club	-0.79	-0.93	50	0	Natural	0.014	1.93	669.0
Link1221	Wilderness Country Club	Node382	-0.93	-1.07	50	0	Natural	0.014	2.06	703.7
Link1222	Node382	Node383	-1.07	-0.97	50	0	Natural	0.014	2.47	703.7
Link1223	Node383	Node384	-0.97	-0.81	50	0	Natural	0.014	2.7	703.7
Link1224	Node384	Estuary at Gray Oaks	-0.81	-0.65	50	0	Natural	0.014	2.26	703.7
Link1225	Estuary at Gray Oaks	Node386	-0.65	-0.49	50	0	Natural	0.014	2.34	757.7
Link1226	Node386	Node387	-0.49	-0.41	50	0	Natural	0.014	2.21	757.7
Link1227	Node387	Node388	-0.41	-0.59	50	0	Natural	0.014	2.68	757.6
Link1228	Node388	Node389	-0.59	-0.77	50	0	Natural	0.014	2.9	762.4
Link1229	Node389	Node390	-0.77	-0.95	50	0	Natural	0.014	2.23	762.4
Link1230	Node390	Node391	-0.95	-1.10	50	0	Natural	0.014	2.35	762.4
Link1231	Node391	Node392	-1.10	-1.09	50	0	Natural	0.014	2.91	762.4
Link1232	Node392	Node393	-1.09	-1.07	50	0	Natural	0.014	3.17	762.4
Link1233	Node393	Node394	-1.07	-1.06	50	0	Natural	0.014	2.54	762.4
Link1234	Node394	Golden Gate Parkway.1	-1.06	-1.17	50	0	Natural	0.014	2.6	762.4
Link1235	Golden Gate Parkway.1	Node396	-1.17	-3.38	50	0	Natural	0.014	2.56	782.0
Link1236	Node396	Node397	-3.38	-3.33	50	0	Natural	0.014	1.91	782.0
Link1237	Node397	Node398	-3.33	-2.89	50	0	Natural	0.014	1.99	781.9
Link1238	Node398	Node399	-2.89	-2.18	50	0	Natural	0.014	2.12	781.9
Link1239	Node399	Node400	-2.18	-1.46	50	0	Natural	0.014	2.12	781.9
Link1240	Node400	Node401	-1.46	-1.65	50	0	Natural	0.014	2.29	781.9
Link1241	Node401	Node402	-1.65	-0.80	50	0	Natural	0.014	2.8	781.9
Link1242	Node402	Node1339	-0.80	-0.80	50	7.95	Natural	0.014	3.22	781.8
Link1251	Goodlette Frank Road 2	Node414	3.99	3.99	500	0	Natural	0.014	0.43	19.4
Link1252	Node414	Node415	3.99	3.99	500	0	Natural	0.014	0.43	17.1

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link1253	Node415	Node416	3.99	3.61	500	0	Natural	0.014	0.48	15.6
Link1254	Node416	Node417	3.61	3.61	500	0	Natural	0.014	0.41	13.8
Link1255	Node417	Node418	3.61	0.90	500	0	Natural	0.014	0.35	11.1
Link1256	Node418	Node419	0.90	1.12	450	0	Natural	0.014	0.18	12.0
Link1257	Node419	RPGC C H	1.12	1.10	50	0	Natural	0.014	0.33	17.9
Link1258	WilsonMil	Coco Lakes	5.04	5.04	1065	0	Natural	0.014	0.27	8.3
Link1259	Coco Lakes	Node423	5.04	5.80	100	0	Natural	0.014	0.29	7.8
Link1260	Node423	Node424	5.80	6.05	100	0	Natural	0.014	0.36	7.7
Link1261	Node424	Node425	6.05	5.28	100	0	Natural	0.014	0.43	7.5
Link1262	Node425	Node426	5.28	5.13	100	0	Natural	0.014	0.48	7.4
Link1263	Node426	Node427	5.13	3.77	100	0	Natural	0.014	0.5	7.3
Link1264	Node427	Node428	3.77	4.42	100	0	Natural	0.014	0.24	7.2
Link1265	Node428	Node429	4.42	5.47	100	0	Natural	0.014	0.26	7.1
Link1266	Node429	Node430	5.47	5.28	100	0	Natural	0.014	0.49	7.1
Link1267	Node430	Node431	5.28	5.13	100	0	Natural	0.014	0.27	7.0
Link1268	Node431	Node432	5.13	4.12	100	0	Natural	0.014	0.18	6.9
Link1269	Node432	Node433	4.12	3.70	100	0	Natural	0.014	0.2	6.7
Link1270	Node433	Poinciana 1	3.70	4.54	100	0	Natural	0.014	-0.45	6.6
Link1271	Poinciana 1	Node435	4.54	2.02	100	0	Natural	0.014	1.04	18.7
Link1272	Node435	Node436	2.02	2.39	100	0	Natural	0.014	0.09	17.5
Link1273	Node436	Node437	2.39	2.19	100	0	Natural	0.014	0.43	16.4
Link1274	Node437	Node438	2.19	3.08	100	0	Natural	0.014	0.25	15.5
Link1275	Node438	Node439	3.08	3.14	100	0	Natural	0.014	0.09	14.9
Link1276	Node439	Node440	3.14	3.12	100	0	Natural	0.014	0.18	14.4
Link1277	Node440	Node441	3.12	2.92	100	0	Natural	0.014	0.18	14.0
Link1278	Node441	Node442	2.92	3.02	100	0	Natural	0.014	0.1	13.7
Link1279	Node442	Node443	3.02	3.12	100	0	Natural	0.014	0.16	13.4
Link1280	Node443	Node444	3.12	3.01	100	0	Natural	0.014	0.26	13.2
Link1281	Node444	Node445	3.01	4.49	100	0	Natural	0.014	0.16	12.9
Link1282	Node445	Node446	4.49	3.40	100	0	Natural	0.014	0.31	12.7
Link1283	Node446	Node447	3.40	3.61	100	0	Natural	0.014	0.44	12.4
Link1284	Node447	Poinciana 2	3.61	2.70	100	0	Natural	0.014	0.35	12.1
Link1285	Poinciana 2	Node449	2.70	2.80	100	0	Natural	0.014	0.25	11.5
Link1286	Node449	Node450	2.80	2.16	100	0	Natural	0.014	0.18	11.2
Link1287	Node450	Node451	2.16	2.64	100	0	Natural	0.014	0.07	11.6
Link1288	Node451	Node452	2.64	1.53	100	0	Natural	0.014	0.13	11.9
Link1289	Node452	Node453	1.53	2.30	100	0	Natural	0.014	-0.19	12.2
Link1290	Node453	Node454	2.30	2.19	100	0	Natural	0.014	0.16	12.6
Link1291	Node454	Coach House Lane	2.19	1.89	100	0	Natural	0.014	0.12	13.0
Link1292	Coach House Lane	Node456	1.89	2.84	100	0	Natural	0.014	-0.19	13.4
Link1293	Node456	Node457	2.84	1.99	100	0	Natural	0.014	0.18	13.7

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station) - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link1294	Node457	Node458	1.99	2.39	100	0	Natural	0.014	-0.08	14.2
Link1295	Node458	Node459	2.39	2.88	100	0	Natural	0.014	-0.33	14.6
Link1296	Node459	Node460	2.88	2.06	100	0	Natural	0.014	0.21	14.9
Link1297	Node460	Poinciana Elementary	2.06	1.89	100	0	Natural	0.014	0.27	15.3
Link1298	Poinciana Elementary	Node462	1.89	1.66	100	0	Natural	0.014	0.52	20.6
Link1299	Node462	Node463	1.66	1.66	100	0	Natural	0.014	0.15	21.0
Link1300	Node463	Node464	1.66	1.66	100	0	Natural	0.014	0.19	21.4
Link1301	Node464	Node465	1.66	1.66	100	0	Natural	0.014	0.12	21.7
Link1302	Node465	Node466	1.66	1.66	100	0	Natural	0.014	0.14	22.1
Link1303	Node466	Node467	1.66	1.93	100	0	Natural	0.014	0.14	22.4
Link1304	Node467	Node468	1.93	2.48	100	0	Natural	0.014	0.15	22.8
Link1305	Node468	Node469	2.48	2.48	100	0	Natural	0.014	0.1	23.2
Link1306	Node469	Node470	2.48	2.48	100	0	Natural	0.014	0.08	23.8
Link1307	Node470	Node471	2.48	2.48	100	0	Natural	0.014	0.09	24.4
Link1308	Node471	Node472	2.48	2.48	100	0	Natural	0.014	0.22	24.8
Link1309	Node472	Node473	2.48	2.48	100	0	Natural	0.014	0.23	25.2
Link1310	Node473	Node474	2.48	2.48	100	0	Natural	0.014	0.2	25.6
Link1311	Node474	Node475	2.48	2.48	25	0	Natural	0.014	0.32	25.9
Link1312	Node475	Node338	2.48	-0.65	75	0	Natural	0.014	0.19	26.2
Link1359	Node476	Node477	-1.50	-1.50	50	0	Natural	0.014	1.32	781.8
Link1360	Node477	Node890	-1.50	-1.50	50	0	Natural	0.014	1.9	781.8
Link1363	Node1359	Node476	-1.50	-1.50	84	0	Natural	0.014	1.31	781.8
Link1364	AMIL2	Node1359	-4.71	-1.50	115	0	Natural	0.014	0.92	781.8
Link479	Node482	Node483	4.61	4.61	50	0	Natural	0.014	0.24	78.5
Link480	Node483	Node484	4.61	4.51	50	0	Natural	0.014	0.24	78.3
Link481	Node484	Node485	4.51	4.40	50	0	Natural	0.014	0.24	78.3
Link482	Node485	Node486	4.40	4.30	50	0	Natural	0.014	0.24	78.4
Link483	Node486	Node487	4.30	4.19	50	0	Natural	0.014	0.24	78.6
Link484	Node487	Aut Wds	4.19	4.09	50	0	Natural	0.014	0.24	78.8
Link485	Aut Wds	Node489	4.09	3.99	50	0	Natural	0.014	0.42	131.7
Link486	Node489	Node490	3.99	3.88	50	0	Natural	0.014	0.42	132.0
Link487	Node490	Node491	3.88	3.78	50	0	Natural	0.014	0.42	132.3
Link488	Node491	Node492	3.78	3.68	50	0	Natural	0.014	0.43	132.6
Link489	Node492	Node493	3.68	3.57	50	0	Natural	0.014	0.43	133.0
Link490	Node493	Node494	3.57	3.47	50	0	Natural	0.014	0.44	133.3
Link491	Node494	Node495	3.47	3.37	50	0	Natural	0.014	0.44	133.6
Link492	Node495	Node496	3.37	3.26	50	0	Natural	0.014	0.45	134.0
Link493	Node496	Node497	3.26	3.16	50	0	Natural	0.014	0.46	134.4
Link494	Node497	Node498	3.16	3.06	50	0	Natural	0.014	0.46	134.7
Link495	Node498	Node499	3.06	2.95	50	0	Natural	0.014	0.47	135.1
Link496	Node499	Node500	2.95	2.85	50	0	Natural	0.014	0.48	135.4

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station) - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link497	Node500	Node501	2.85	2.74	50	0	Natural	0.014	0.49	135.7
Link498	Node501	Node502	2.74	2.64	50	0	Natural	0.014	0.5	136.1
Link499	Node502	Node503	2.64	2.54	50	0	Natural	0.014	0.51	136.4
Link500	Node503	Node504	2.54	2.43	50	0	Natural	0.014	0.53	136.8
Link501	Node504	Node505	2.43	2.33	50	0	Natural	0.014	0.54	137.2
Link502	Node505	Node506	2.33	2.24	50	0	Natural	0.014	0.56	137.5
Link503	Node506	Node507	2.24	2.20	50	0	Natural	0.014	0.57	137.9
Link504	Node507	Node508	2.20	2.17	50	0	Natural	0.014	0.56	138.2
Link505	Node508	Node509	2.17	2.13	50	0	Natural	0.014	0.55	138.6
Link506	Node509	PRDS3	2.13	2.10	50	0	Natural	0.014	0.55	139.0
Link507	PRDS3	Node511	2.10	2.06	50	0	Natural	0.014	1.22	321.3
Link508	Node511	Node512	2.06	2.02	50	0	Natural	0.014	1.23	321.5
Link509	Node512	Node529	2.02	1.99	50	0	Natural	0.014	1.23	321.8
Link510	Node529	Node531	1.99	1.95	50	0	Natural	0.014	1.23	322.1
Link511	Node531	Node534	1.95	1.91	50	0	Natural	0.014	1.23	322.4
Link512	Node534	Node535	1.91	1.88	50	0	Natural	0.014	1.23	322.7
Link513	Node535	Node536	1.88	1.84	50	0	Natural	0.014	1.23	323.0
Link514	Node536	Node537	1.84	1.81	50	0	Natural	0.014	1.23	323.3
Link515	Node537	Node538	1.81	1.77	50	0	Natural	0.014	1.23	323.6
Link516	Node538	Node539	1.77	1.73	50	0	Natural	0.014	1.23	323.9
Link517	Node539	Node540	1.73	1.70	50	0	Natural	0.014	1.22	324.2
Link518	Node540	Node541	1.70	1.66	50	0	Natural	0.014	1.22	324.5
Link519	Node541	Node542	1.66	1.62	50	0	Natural	0.014	1.19	324.8
Link520	Node542	Node543	1.62	1.59	50	0	Natural	0.014	1.11	325.2
Link521	Node543	Node544	1.59	1.56	50	0	Natural	0.014	1.01	325.6
Link522	Node544	Node545	1.56	1.54	50	0	Natural	0.014	1.03	326.0
Link523	Node545	Node546	1.54	1.51	50	0	Natural	0.014	1.06	326.4
Link524	Node546	Node547	1.51	1.49	50	0	Natural	0.014	1.08	326.8
Link525	Node547	Node548	1.49	1.47	50	0	Natural	0.014	1.1	327.2
Link526	Node548	Node549	1.47	1.44	50	0	Natural	0.014	1.11	327.6
Link527	Node549	PRDS2	1.44	1.42	50	0	Natural	0.014	1.12	328.0
Link528	PRDS2	Node551	1.42	1.39	50	0	Natural	0.014	1.4	417.6
Link529	Node551	Node552	1.39	1.37	50	0	Natural	0.014	1.4	417.8
Link530	Node552	Node553	1.37	1.34	50	0	Natural	0.014	1.4	418.0
Link531	Node553	Node554	1.34	1.32	50	0	Natural	0.014	1.4	418.1
Link532	Node554	Node555	1.32	1.29	50	0	Natural	0.014	1.4	418.3
Link533	Node555	Node556	1.29	1.27	50	0	Natural	0.014	1.4	418.5
Link534	Node556	Node557	1.27	1.25	50	0	Natural	0.014	1.4	418.7
Link535	Node557	Node558	1.25	1.22	50	0	Natural	0.014	1.4	418.9
Link536	Node558	Node559	1.22	1.20	50	0	Natural	0.014	1.4	419.1
Link537	Node559	Node560	1.20	1.17	50	0	Natural	0.014	1.4	419.3

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station) - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link538	Node560	Node561	1.17	1.15	50	0	Natural	0.014	1.4	419.6
Link539	Node561	Node562	1.15	1.12	50	0	Natural	0.014	1.39	419.8
Link540	Node562	Node563	1.12	1.10	50	0	Natural	0.014	1.38	420.0
Link541	Node563	Node564	1.10	1.09	50	0	Natural	0.014	1.37	420.3
Link542	Node564	Node565	1.09	1.34	50	0	Natural	0.014	1.36	420.5
Link543	Node565	Node566	1.34	1.59	50	0	Natural	0.014	1.41	420.8
Link544	Node566	Node567	1.59	1.84	50	0	Natural	0.014	1.47	421.0
Link545	Node567	PRDS1	1.84	2.08	50	0	Natural	0.014	1.53	421.3
Link546	PRDS1	Node569	2.08	2.33	50	0	Natural	0.014	2.1	566.4
Link547	Node569	Node570	2.33	2.58	50	0	Natural	0.014	2.19	566.4
Link548	Node570	Node571	2.58	2.83	50	0	Natural	0.014	2.28	566.4
Link549	Node571	Node572	2.83	3.08	50	0	Natural	0.014	2.42	566.4
Link550	Node572	Node573	3.08	3.33	50	0	Natural	0.014	2.59	566.4
Link551	Node573	Node574	3.33	3.58	50	0	Natural	0.014	2.79	566.4
Link552	Node574	Node575	3.58	3.82	50	0	Natural	0.014	3.05	566.4
Link553	Node575	Node576	3.82	4.07	50	0	Natural	0.014	3.37	566.3
Link554	Node576	Node577	4.07	4.32	50	0	Natural	0.014	3.78	566.3
Link555	Node577	Node578	4.32	4.57	50	0	Natural	0.014	4.38	566.3
Link556	Node578	Node579	4.57	4.82	50	0	Natural	0.014	5.45	566.3
Link557	Node579	Node580	4.82	2.00	50	0	Natural	0.014	8.99	566.3
Link559	Node582	Node583	7.57	7.41	50	0	Natural	0.014	1.39	96.1
Link560	Node583	Node584	7.41	7.25	50	0	Natural	0.014	1.26	95.2
Link561	Node584	Node585	7.25	7.09	50	0	Natural	0.014	1.19	94.7
Link562	Node585	Node586	7.09	7.05	50	0	Natural	0.014	1.17	93.9
Link563	Node586	Node587	7.05	7.23	50	0	Natural	0.014	1.17	93.3
Link564	Node587	Node588	7.23	7.42	50	0	Natural	0.014	1.22	92.6
Link565	Node588	Node589	7.42	7.61	50	0	Natural	0.014	1.44	92.0
Link566	Node589	Node532	7.61	6.23	20	0	Natural	0.014	1.53	91.4
Link567	Node590	GF2	7.14	7.14	15	0	Natural	0.014	1.11	90.2
Link570	Node593	Node594	6.92	6.57	50	0	Natural	0.014	1.26	113.8
Link571	Node594	Node595	6.57	6.22	50	0	Natural	0.014	1.12	112.0
Link572	Node595	Node596	6.22	5.97	50	0	Natural	0.014	1.14	110.3
Link573	Node596	Node597	5.97	5.89	50	0	Natural	0.014	1.09	108.8
Link574	Node597	Node598	5.89	5.81	50	0	Natural	0.014	1.07	107.5
Link575	Node598	Node599	5.81	5.73	50	0	Natural	0.014	1	106.1
Link576	Node599	Node600	5.73	5.65	50	0	Natural	0.014	0.95	105.0
Link577	Node600	Node601	5.65	5.57	50	0	Natural	0.014	0.92	103.8
Link578	Node601	Node604	5.57	5.49	50	0	Natural	0.014	0.81	102.9
Link579	Node604	Node605	5.49	5.41	50	0	Natural	0.014	0.83	102.1
Link580	Node605	Node611	5.41	5.33	50	0	Natural	0.014	0.82	101.4
Link581	Node611	Node612	5.33	5.25	50	0	Natural	0.014	0.8	100.8

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station) - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link582	Node612	Node613	5.25	5.01	50	0	Natural	0.014	0.79	100.2
Link583	Node613	Node615	5.01	4.94	50	0	Natural	0.014	0.75	99.8
Link584	Node615	Node616	4.94	4.94	50	0	Natural	0.014	0.7	99.2
Link585	Node616	Node617	4.94	4.95	50	0	Natural	0.014	0.68	98.7
Link586	Node617	Node618	4.95	4.95	50	0	Natural	0.014	0.65	98.2
Link587	Node618	GF3	4.95	4.95	25	0	Natural	0.014	0.63	97.8
Link587.1	GF3	Node619	4.95	4.95	25	0	Natural	0.014	0.97	137.5
Link588	Node619	Node625	4.95	4.99	50	0	Natural	0.014	0.89	137.1
Link589	Node625	Node626	4.99	5.08	50	0	Natural	0.014	0.94	136.5
Link590	Node626	Node630	5.08	5.17	50	0	Natural	0.014	0.95	136.0
Link591	Node630	Node631	5.17	5.25	50	0	Natural	0.014	0.94	135.5
Link592	Node631	Node632	5.25	5.10	50	0	Natural	0.014	0.9	134.9
Link593	Node632	Node633	5.10	5.05	50	0	Natural	0.014	0.85	134.4
Link594	Node633	Node634	5.05	5.49	50	0	Natural	0.014	0.87	133.9
Link595	Node634	Node637	5.49	5.30	50	0	Natural	0.014	0.76	133.5
Link596	Node637	GF4	5.30	5.17	25	0	Natural	0.014	0.91	133.3
Link596.1	GF4	Node638	5.17	5.03	25	0	Natural	0.014	1.18	163.0
Link597	Node638	Node526	5.03	4.87	30	0	Natural	0.014	1.17	162.8
Link600	Node647	Node648	5.25	5.33	50	0	Natural	0.014	1.44	162.4
Link601	Node648	Node649	5.33	5.40	50	0	Natural	0.014	1.52	162.0
Link602	Node649	Node650	5.40	5.47	50	0	Natural	0.014	1.51	161.6
Link603	Node650	GF5	5.47	5.52	50	0	Natural	0.014	1.53	161.3
Link604	GF5	Node653	5.52	5.58	50	0	Natural	0.014	2	184.0
Link605	Node653	Node654	5.58	5.63	50	0	Natural	0.014	2.03	183.6
Link606	Node654	Node655	5.63	5.69	50	0	Natural	0.014	2.07	183.2
Link607	Node655	Node656	5.69	5.74	50	0	Natural	0.014	2.11	182.7
Link608	Node656	Node657	5.74	5.80	50	0	Natural	0.014	2.12	182.1
Link609	Node657	Node658	5.80	5.85	50	0	Natural	0.014	2.1	181.5
Link610	Node658	Node659	5.85	5.90	50	0	Natural	0.014	2.06	180.9
Link611	Node659	Node660	5.90	5.96	50	0	Natural	0.014	1.99	180.1
Link612	Node660	Node661	5.96	5.99	50	0	Natural	0.014	1.9	179.6
Link613	Node661	Node662	5.99	5.98	50	0	Natural	0.014	2.03	179.0
Link614	Node662	Node663	5.98	5.97	50	0	Natural	0.014	1.95	178.4
Link615	Node663	Node664	5.97	5.96	50	0	Natural	0.014	1.88	177.8
Link618	Node664	Node665	5.96	5.95	50	0	Natural	0.014	1.83	177.4
Link621	PRDS4	Node482	4.65	4.18	416	4	Circular	0.013	6.21	78.5
Link622	Node665	GF6	5.95	5.91	50	0	Natural	0.014	1.81	176.9
Link626	GF6	Node667	5.91	5.88	50	0	Natural	0.014	2.34	192.2
Link627	Node667	Node668	5.88	5.84	50	0	Natural	0.014	2.34	191.6
Link628	Node668	Node669	5.84	5.80	50	0	Natural	0.014	2.36	190.9
Link629	Node669	Node670	5.80	5.77	50	0	Natural	0.014	2.36	190.0

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Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link630	Node670	Node671	5.77	5.74	50	0	Natural	0.014	2.34	189.4
Link631	Node671	Node672	5.74	5.73	50	0	Natural	0.014	2.32	188.7
Link632	Node672	Node673	5.73	5.72	50	0	Natural	0.014	2.33	187.8
Link633	Node673	Node674	5.72	5.70	50	0	Natural	0.014	2.33	188.1
Link634	Node674	Node675	5.70	5.69	50	0	Natural	0.014	2.33	188.3
Link635	Node675	Node676	5.69	5.67	50	0	Natural	0.014	2.33	188.6
Link636	Node676	Node677	5.67	5.66	50	0	Natural	0.014	2.33	188.8
Link637	Node677	Node678	5.66	5.65	50	0	Natural	0.014	2.33	189.0
Link638	Node678	Node679	5.65	5.63	50	0	Natural	0.014	2.32	189.4
Link639	Node679	Node680	5.63	5.62	50	0	Natural	0.014	2.3	189.8
Link640	Node680	Node681	5.62	5.60	50	0	Natural	0.014	2.29	190.2
Link641	Node681	GF7	5.60	5.55	50	0	Natural	0.014	2.26	190.7
Link642	GF7	Node683	5.55	5.51	50	0	Natural	0.014	2.53	198.7
Link643	Node683	Node684	5.51	5.46	50	0	Natural	0.014	2.52	199.1
Link644	Node684	GF8	5.46	5.42	50	0	Natural	0.014	2.51	199.5
Link646	GF8	Node686	5.42	5.37	50	0	Natural	0.014	2.79	207.2
Link647	Node686	Node687	5.37	5.33	50	0	Natural	0.014	2.78	207.5
Link648	Node687	Node688	5.33	5.28	50	0	Natural	0.014	2.74	207.7
Link649	Node688	Node689	5.28	5.23	50	0	Natural	0.014	2.69	207.9
Link650	Node689	Node690	5.23	5.19	50	0	Natural	0.014	2.63	208.1
Link651	Node690	Node691	5.19	5.17	50	0	Natural	0.014	2.56	208.3
Link652	Node691	Node692	5.17	5.19	50	0	Natural	0.014	2.58	208.5
Link653	Node692	Node693	5.19	5.21	50	0	Natural	0.014	2.56	208.7
Link654	Node641	Node642	3.48	2.22	138	0.16	Natural	0.035	1.95	11.8
Link655	Node693	Node694	5.21	5.23	50	0	Natural	0.014	2.53	208.9
Link656	Node643	Node644	3.10	1.47	485	0.16	Natural	0.035	1.94	11.8
Link657	Node694	Node695	5.23	5.25	50	0	Natural	0.014	2.45	209.1
Link658	Node645	Node646	1.33	0.83	154	0.16	Natural	0.035	2.22	11.9
Link674	Node710	Node711	4.63	4.50	50	0	Natural	0.014	0.79	34.4
Link675	Node711	GF10	4.50	4.56	50	0	Natural	0.014	0.85	34.6
Link676	GF10	Node713	4.56	4.61	50	0	Natural	0.014	1.19	79.2
Link677	Node713	Node714	4.61	4.66	50	0	Natural	0.014	1.22	79.1
Link678	Node714	Node715	4.66	4.71	50	0	Natural	0.014	1.25	79.0
Link679	Node715	GF11a	4.71	4.76	50	0	Natural	0.014	1.28	78.9
Link680	GF11a	Node717	4.76	4.81	50	0	Natural	0.014	1.65	105.2
Link681	Node717	Node718	4.81	4.86	50	0	Natural	0.014	1.66	105.1
Link682	Node718	Node719	4.86	4.91	50	0	Natural	0.014	1.67	104.9
Link683	Node719	Node720	4.91	4.97	50	0	Natural	0.014	1.67	104.8
Link684	Node720	Node721	4.97	5.00	50	0	Natural	0.014	1.67	104.7
Link685	Node721	GF11b	5.00	5.00	50	0	Natural	0.014	1.67	104.6
Link686	GF11b	Node723	5.00	4.99	50	0	Natural	0.014	1.98	120.8

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station) - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream		Downstream		Diameter		Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)	(Height) (ft)						
Link687	Node723	Node724	4.99	4.99	50	0	Natural	0.014		1.99		120.7
Link688	Node724	Node725	4.99	4.99	50	0	Natural	0.014		2		120.6
Link689	Node725	Node726	4.99	4.98	50	0	Natural	0.014		2		120.4
Link690	Node726	Node727	4.98	4.98	50	0	Natural	0.014		2.01		120.3
Link691	Node727	Node728	4.98	4.98	50	0	Natural	0.014		2.01		120.2
Link692	Node728	Node729	4.98	4.98	50	0	Natural	0.014		2.02		120.1
Link693	Node729	Node730	4.98	4.97	50	0	Natural	0.014		2.02		120.0
Link694	Node730	Node731	4.97	5.00	50	0	Natural	0.014		2.04		119.9
Link695	Node731	Node732	5.00	5.05	50	0	Natural	0.014		2.08		119.9
Link696	Node732	Node733	5.05	5.09	50	0	Natural	0.014		2.13		119.8
Link697	Node733	Node734	5.09	5.14	50	0	Natural	0.014		2.17		119.8
Link698	Node734	Node735	5.14	5.18	50	0	Natural	0.014		2.21		119.8
Link699	Node735	GF12	5.18	5.23	50	0	Natural	0.014		2.24		119.8
Link700	GF12	Node737	5.23	5.27	50	0	Natural	0.014		2.78		150.5
Link701	Node737	Node738	5.27	5.32	50	0	Natural	0.014		2.8		150.4
Link702	Node738	GF13	5.32	5.36	50	0	Natural	0.014		2.8		150.3
Link703	GF13	Node740	5.36	5.41	50	0	Natural	0.014		3.42		179.3
Link704	Node740	Node741	5.41	5.40	50	0	Natural	0.014		3.14		179.2
Link705	Node741	Node742	5.40	5.33	50	0	Natural	0.014		2.94		179.1
Link706	Node742	Node743	5.33	5.27	50	0	Natural	0.014		2.93		179.0
Link707	Node743	Node744	5.27	5.20	50	0	Natural	0.014		2.93		178.8
Link708	Node744	Node745	5.20	5.14	50	0	Natural	0.014		2.94		178.7
Link709	Node745	Node746	5.14	5.07	50	0	Natural	0.014		2.96		178.6
Link710	Node746	Node747	5.07	5.00	50	0	Natural	0.014		2.99		178.5
Link711	Node747	Node748	5.00	4.94	50	0	Natural	0.014		3.04		178.4
Link712	Node748	GF14	4.94	4.87	50	0	Natural	0.014		3.1		178.2
Link713	GF14	Node750	4.87	4.81	50	0	Natural	0.014		3.63		195.7
Link714	Node750	Node751	4.81	4.32	50	0	Natural	0.014		3.87		195.6
Link715	Node751	Node752	4.32	4.38	50	0	Natural	0.014		3.89		195.5
Link716	Node752	Node753	4.38	4.44	50	0	Natural	0.014		3.94		195.4
Link717	Node753	Node754	4.44	4.51	50	0	Natural	0.014		4		195.3
Link718	Node754	Node755	4.51	4.57	50	0	Natural	0.014		4.05		195.2
Link719	Node755	GF15	4.57	4.64	50	0	Natural	0.014		4.11		195.1
Link720	GF15	Node757	4.64	4.70	50	0	Natural	0.014		4.67		212.4
Link721	Node757	Node758	4.70	4.76	50	0	Natural	0.014		4.82		212.2
Link722	Node758	Node759	4.76	4.83	50	0	Natural	0.014		5.04		212.1
Link723	Node759	Node760	4.83	4.89	50	0	Natural	0.014		5.33		211.9
Link724	Node760	GF16a	4.89	4.94	50	0	Natural	0.014		5.83		211.7
Link856	Node890	Node891	-1.50	-2.04	500	0	Natural	0.014		3.53		781.8
Link857	Node891	Node892	-2.04	-3.74	600	0	Natural	0.014		3.71		921.1
Link858	Node892	Node893	-3.74	-2.62	500	0	Natural	0.014		4		921.2

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station) - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link859	Node893	Outfall.1	-2.62	-4.35	650	0	Natural	0.014	4.32	921.2
Link868	GF1	Node894	7.45	8.06	50	0	Natural	0.014	5.98	98.4
Link869	Node894	Node899	8.06	7.89	50	0	Natural	0.014	1.94	98.1
Link870	Node899	Node900	7.89	7.73	50	0	Natural	0.014	1.74	97.4
Link871	Node900	Node582	7.73	7.57	50	0	Natural	0.014	1.55	96.7
Link873	Node780	Node792	-5.00	-5.00	50	0	Natural	0.014	-2.98	-2092.4
Link874	Node792	Node793	-5.00	-5.00	50	0	Natural	0.014	-3.16	-2527.5
Link875	Node793	Node803	-5.00	-5.00	50	0	Natural	0.014	-1.26	-2133.1
Link876	Node803	Node807	-5.00	-5.00	50	0	Natural	0.014	-0.6	1219.8
Link877	Node807	Node808	-5.00	-5.00	50	0	Natural	0.014	0.49	1018.3
Link878	Node808	Node815	-5.00	-5.00	50	0	Natural	0.014	0.74	982.7
Link879	Node815	Node828	-5.00	-5.00	50	0	Natural	0.014	3.06	965.8
Link880	Node828	Node835	-5.00	-5.00	50	0	Natural	0.014	2.7	976.7
Link881	Node835	Node841	-5.00	-5.00	50	0	Natural	0.014	2.42	1000.3
Link882	Node841	Node842	-5.00	-5.00	50	0	Natural	0.014	2.18	1014.1
Link883	Node842	Node851	-5.00	-5.00	50	0	Natural	0.014	1.95	998.9
Link884	Node851	Node856	-5.00	-5.00	50	0	Natural	0.014	1.79	952.2
Link885	Node856	Node862	-5.00	-5.00	50	0	Natural	0.014	1.73	948.1
Link886	Node862	Node865	-5.00	-5.00	50	0	Natural	0.014	1.69	962.4
Link887	Node865	Node866	-5.00	-5.00	50	0	Natural	0.014	1.66	982.9
Link888	Node866	Node882	-5.00	-5.00	50	0	Natural	0.014	1.63	1001.2
Link889	Node882	Node883	-5.00	-5.00	50	0	Natural	0.014	1.6	1003.7
Link890	Node883	Node884	-5.00	-5.00	50	0	Natural	0.014	1.56	1007.3
Link891	Node884	Node885	-5.00	-5.00	50	0	Natural	0.014	1.55	1015.2
Link892	Node885	Node886	-5.00	-5.00	50	0	Natural	0.014	1.56	1021.1
Link893	Node886	Node887	-5.00	-5.00	50	0	Natural	0.014	1.6	1025.6
Link894	Node887	Node888	-5.00	-5.00	50	0	Natural	0.014	1.65	1053.5
Link895	Node888	Node889	-5.00	-5.00	50	0	Natural	0.014	1.7	1095.8
Link896	Node889	Node901	-5.00	-5.00	50	0	Natural	0.014	1.74	1136.3
Link897	Node901	Country Club of Naples N	-5.00	-5.00	50	0	Natural	0.014	1.78	1173.6
Link898	Country Club of Naples N	Node903	-5.00	-5.00	50	0	Natural	0.014	1.74	1213.8
Link899	Node903	Node904	-5.00	-5.00	50	0	Natural	0.014	1.47	1215.1
Link900	Node904	Node905	-5.00	-5.00	50	0	Natural	0.014	0.98	1180.9
Link901	Node905	Node906	-5.00	-5.00	50	0	Natural	0.014	0.44	1099.2
Link902	Node906	Node907	-5.00	-5.00	50	0	Natural	0.014	0.41	1014.8
Link903	Node907	Node908	-5.00	-5.00	42.49	0	Natural	0.014	0.7	1005.4
Link904	Node908	Node909	-5.00	-5.00	57.51	0	Natural	0.014	1.33	1012.0
Link905	Node909	Node910	-5.00	-5.00	63.47	0	Natural	0.014	2.29	1015.8
Link906	Node910	Node911	-5.00	-5.00	36.53	0	Natural	0.014	2.1	1017.5
Link907	Node911	Node912	-5.00	-5.00	50	0	Natural	0.014	2	1018.5
Link908	Node912	Node913	-5.00	-5.00	50	0	Natural	0.014	1.88	1019.4

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station) - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link909	Node913	Node914	-5.00	-5.00	50	0	Natural	0.014	1.78	1020.3
Link910	Node914	Node915	-5.00	-5.00	50	0	Natural	0.014	1.68	1021.2
Link911	Node915	Node916	-5.00	-5.00	50	0	Natural	0.014	1.6	1022.6
Link912	Node916	Node917	-5.00	-5.00	50	0	Natural	0.014	1.52	1028.5
Link913	Node917	Node918	-5.00	-5.00	50	0	Natural	0.014	1.48	1033.2
Link914	Node918	Node919	-5.00	-5.00	50	0	Natural	0.014	1.48	1037.1
Link915	Node919	Node920	-5.00	-5.00	50	0	Natural	0.014	1.48	1040.3
Link916	Node920	Node921	-5.00	-5.00	50	0	Natural	0.014	1.47	1043.2
Link917	Node921	Node922	-5.00	-5.00	50	0	Natural	0.014	1.47	1044.9
Link918	Node922	Node923	-5.00	-5.00	50	0	Natural	0.014	1.46	1045.8
Link919	Node923	Node924	-5.00	-5.00	50	0	Natural	0.014	1.46	1046.1
Link920	Node924	Node925	-5.00	-5.00	50	0	Natural	0.014	1.45	1046.0
Link921	Node925	Node926	-5.00	-5.00	50	0	Natural	0.014	1.43	1047.0
Link922	Node926	Node927	-5.00	-5.00	50	0	Natural	0.014	1.39	1048.5
Link923	Node927	Node928	-5.00	-5.00	50	0	Natural	0.014	1.36	1049.2
Link924	Node928	Node929	-5.00	-5.00	50	0	Natural	0.014	1.32	1048.9
Link925	Node929	Node930	-5.00	-5.00	50	0	Natural	0.014	1.29	1047.8
Link926	Node930	Node931	-5.00	-5.00	50	0	Natural	0.014	1.29	1045.9
Link927	Node931	Node932	-5.00	-5.00	50	0	Natural	0.014	1.31	1043.3
Link928	Node932	Node933	-5.00	-5.00	50	0	Natural	0.014	1.32	1040.3
Link929	Node933	Node934	-5.00	-5.00	50	0	Natural	0.014	1.37	1036.7
Link930	Node934	Node935	-5.00	-5.00	50	0	Natural	0.014	1.46	1032.8
Link931	Node935	Node936	-5.00	-5.00	50	0	Natural	0.014	1.63	1028.9
Link932	Node936	Node937	-5.00	-5.00	50	0	Natural	0.014	3.05	1025.7
Link933	Node937	Node938	-5.00	-5.00	50	0	Natural	0.014	2.73	1023.0
Link934	Node938	Node939	-5.00	-5.00	50	0	Natural	0.014	2.12	1021.6
Link935	Node939	Node940	-5.00	-5.00	50	0	Natural	0.014	2.08	1024.0
Link936	Node940	Node941	-5.00	-5.00	50	0	Natural	0.014	2.05	1026.1
Link937	Node941	Node942	-5.00	-5.00	50	0	Natural	0.014	2.02	1027.7
Link938	Node942	Node943	-5.00	-5.00	50	0	Natural	0.014	1.99	1028.5
Link939	Node943	Node944	-5.00	-5.00	50	0	Natural	0.014	1.96	1028.1
Link940	Node944	Node945	-5.00	-5.00	50	0	Natural	0.014	1.93	1027.3
Link941	Node945	Node946	-5.00	-5.00	50	0	Natural	0.014	1.7	1026.6
Link942	Node946	Node947	-5.00	-5.00	50	0	Natural	0.014	1.74	1024.4
Link943	Node947	Node948	-5.00	-5.00	50	0	Natural	0.014	1.11	1018.9
Link944	Node948	Node949	-5.00	-5.00	50	0	Natural	0.014	0.74	1008.9
Link945	Node949	Node950	-5.00	-5.00	50	0	Natural	0.014	1.52	2044.7
Link947	Node624	Node1022	2.00	1.00	2030	3.5	Trapezoidal	0.027	2.01	264.6
Link950	Node895	Node1024	2.25	1.50	1060	5	Rectangular	0.013	5.49	221.0
Link951	Node1024	Node1025	0.00	-0.50	900	5	Trapezoidal	0.027	1.73	220.5
Link953	Node1023	CoastlandCenter	2.25	2.25	150	7	Trapezoidal	0.02	0.54	14.1

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station) - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter (Height)	Link Shape	Roughness	Max Velocity (ft/s)	Max Flow (cfs)
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)					
Link954	Naples High	Node895	2.50	2.25	350	5	Rectangular	0.013	5.41	221.2
Link955	Node763	GF16b	3.84	3.76	300	7	Trapezoidal	0.02	2.02	229.4
Link956	GF16b	High Point	3.76	3.62	550	7	Trapezoidal	0.02	2.21	258.6
Link957	High Point	Node791	3.62	3.48	550	7	Trapezoidal	0.02	2.48	302.5
Link958	GF17	GF18	3.48	3.40	700	7	Trapezoidal	0.02	2.97	356.0
Link959	Node809	GF19	3.40	3.32	300	7	Trapezoidal	0.02	3.53	392.2
Link960	GF19	GF20	3.32	3.15	650	7	Trapezoidal	0.02	3.64	397.1
Link961	Node117	Node780	0.53	-5.00	50	0	Natural	0.014	11.93	1679.7
Link962	GF20	GF22	3.15	3.06	350	7	Trapezoidal	0.02	3.85	402.2
Link963	GF22	GF21	3.06	2.99	250	7	Trapezoidal	0.02	3.98	402.5
Link964	Node843	GF23	2.99	2.89	400	7	Trapezoidal	0.02	4.54	409.5
Link965	GF23	GF24a	2.89	2.00	250	7	Trapezoidal	0.02	5.19	434.9
Link966	GF24a	GF24b	2.00	2.34	400	7	Trapezoidal	0.02	1.76	177.2
Link967	GF24b	Node864	2.34	2.63	350	7	Trapezoidal	0.02	2.17	194.9
Link968	Node867	Node874	2.63	2.55	300	7	Trapezoidal	0.02	2.43	194.7
Link969	Node875	Naples High	2.55	2.50	200	7	Trapezoidal	0.02	2.43	194.6
MagLink	Magnolia	GFR N	8.72	8.54	120	1.5	Circular	0.013	4.58	8.2
MoorPipe	Moorings	BurnTree3	4.80	4.75	100	2.5	Circular	0.013	12.02	59.5
NB&T Link	NB&T	Pinewoods	7.59	6.81	50	1.25	Circular	0.013	10.31	25.6
new fabriform weir	Node614	Node624							0	276.9
Ohio 4x12	GF16a	Node763	3.84	3.84	106	4	Rectangular	0.013	4.8	230.5
Pompei 48x76 ERCP	GF2	Node593	7.14	7.13	106	6.33	Special	0.013	5.58	114.7
Pompei Orifice	Node532	Node590							10.84	0.6
Pompei Weir.1	Node532	Node590							0	91.3
PR UP Link	PR UP	Pine Ridge	8.10	8.00	50	2	Circular	0.013	4.11	13.0
PRCSLink	PRC Stub	Magnolia	9.50	9.01	12	2	Circular	0.013	-3.21	-10.2
PRLink1	Pine Ridge	GFR N	7.70	8.00	1500	3.5	Circular	0.013	1.87	18.1
PRLink2	PineRidge2	MissionSq	4.75	4.00	1500	3.5	Circular	0.013	1.97	14.2
PRLink3	MissionSq	Node580	4.00	3.70	1000	5	Circular	0.013	4.65	65.5
PRLink4	PineRidge3	Node580	3.00	2.85	500	6	Circular	0.013	5.5	81.9
PRMSPipe1	PRMS	MissionSq	7.50	7.22	150	1.25	Circular	0.013	3.81	4.8
PRMSPipe2	PRMS	MissionSq	6.93	6.84	150	3	Circular	0.013	4.98	24.5
Proposed 2nd Outfall	Node1025	Node891							0	220.2
Proposed Box Culv	Node609	BurningSW	4.13	3.85	400	4	Rectangular	0.013	5	220.9
Proposed Box Culvert.2	BurnTree3	Node609	4.92	4.13	621	4	Rectangular	0.013	5.01	220.9
Proposed Box Culvert.3	Burning	BurnTree3	5.48	5.02	368	4	Rectangular	0.013	4.73	208.7
Proposed Box Culvert.4	GFR1	Burning	6.65	5.49	300	4	Rectangular	0.013	5.03	208.7
Proposed Box Culvert.5	GF9	GFR1	6.78	6.75	20	4	Rectangular	0.013	4.92	186.2
Proposed Box Culvert.6	Node523	GF9	5.87	5.55	248	4	Rectangular	0.013	4.74	209.4
Proposed Spreader Swale.1	Node1022	Wetland E							0	1636.9
proposed weir to flow south	Node895	Node1023							0	12.3

All Proposed Improvements & Goodlette Frank Ditch Improvements (NO Pump Station) - 25YR 3DAY

Link Name	Upstream Node Name	Downstream Node Name	Upstream	Downstream		Diameter		Link Shape	Roughness	Max Velocity	Max Flow
			Invert Elevation (ft)	Invert Elevation (ft)	Length (ft)	(Height) (ft)	(ft/s)			(cfs)	
Ridge 5x12	Node791	GF17	3.48	3.48	106	5	Rectangular	0.013	5.14	303.1	
RPGC Bridge	Node231	Node232	0.00	-0.12	50	0	Natural	0.014	0	0.0	
RPGC Bridge#t	Node231	Node232	0.00	-0.12	10	0.05		9	0.014	0	0.0
RPGC Bridge#w	Node231	Node232								0	0.0
Solana 54-1	Node522	Node710	5.38	5.00	291	4.5	Circular	0.022	1.33	17.1	
Solana 54-2	Node522	Node710	5.38	5.00	291	4.5	Circular	0.022	1.33	17.1	
Solana Weir.1	Node695	Node523								0	209.4
Triple 24x38	Fleischmann Park	Node641	2.60	3.48	140	3.16	Special	0.013	0.77	11.8	
Weir Replace1.1	AMIL	AMIL2								0	322.6
Wetland C-2weirs	Wetland C	Node635								0	4.7
Wetland C-grate	Wetland C	Node635								0	0.0
Wetland C-weir 1	Wetland C	Node635								0	1.5
Zoo Triple Ellipse	Node642	Node643	3.06	3.09	51	3.16	Special	0.013	0.77	11.8	

Appendix C. – Stage Reduction Tables

Stage Reduction Tables

Stage Reduction Comparison Between Existing Conditions & Proposed Amil Gate Replacement Weir (ft)	
	25YR - 3DAY
Section A	0.00
Section B	0.00
Section C	0.09
Section D	0.66
Section E	1.09
Section F	0.14
Section G	0.01
Section H	0.12
Section I	0.00
Section J	0.00
Section K	0.00

Stage Reduction Comparison Between Existing Conditions & Goodlette-Frank Supplemental Outfall/AMIL Gate Replacement Weir (ft)	
	25YR - 3DAY
Section A	0.00
Section B	-0.01
Section C	0.10
Section D	0.70
Section E	1.10
Section F	0.14
Section G	-0.14
Section H	0.81
Section I	-0.09
Section J	0.12
Section K	1.36

Stage Reduction Comparison Between Existing Conditions & Freedom Park Stormwater Pump Station/AMIL Gate Replacement Weir (ft)	
	25YR - 3DAY
Section A	0.00
Section B	-0.01
Section C	0.10
Section D	0.65
Section E	1.08
Section F	0.14
Section G	0.01
Section H	0.57
Section I	0.00
Section J	0.09
Section K	0.06

Stage Reduction Comparison Between Existing Conditions & Freedom Park Bypass Ditch & Spreader Swale/AMIL Gate Replacement Weir (ft)	
	25YR - 3DAY
Section A	0.00
Section B	0.02
Section C	0.09
Section D	0.63
Section E	1.06
Section F	0.13
Section G	0.01
Section H	1.98
Section I	0.01
Section J	0.25
Section K	2.03

*Reductions reported are the average over the entire section. Individual locations may be higher or lower.

**Negative value indicates an increase in stage in the proposed scenario.

Stage Reduction Tables

Stage Reduction Comparison Between Existing Conditions & Goodlette Frank Ditch Improvements/AMIL Gate Replacement Weir (ft)	
	25YR - 3DAY
Section A	0.00
Section B	0.00
Section C	0.09
Section D	0.66
Section E	1.09
Section F	0.14
Section G	0.01
Section H	0.38
Section I	0.00
Section J	0.04
Section K	-0.18

Stage Reduction Comparison Between Existing Conditions & Box Culvert Extension/AMIL Gate Replacement Weir (ft)	
	25YR - 3DAY
Section A	-0.01
Section B	-0.20
Section C	-0.04
Section D	0.54
Section E	1.01
Section F	0.12
Section G	0.36
Section H	0.34
Section I	1.01
Section J	0.16
Section K	0.33

Stage Reduction Comparison Between Existing Conditions & Maintenance Access Road/Seawall /AMIL Gate Replacement Weir (ft)	
	25YR - 3DAY
Section A	-0.04
Section B	0.68
Section C	0.12
Section D	0.66
Section E	1.09
Section F	0.14
Section G	-0.13
Section H	0.12
Section I	-0.10
Section J	0.00
Section K	0.00

Stage Reduction Comparison Between Existing Conditions & Forest Lakes Rock Weir Replacement (ft)	
	25YR - 3DAY
Section A	0.10
Section B	0.84
Section C	-0.01
Section D	0.65
Section E	1.09
Section F	0.11
Section G	-0.08
Section H	0.38
Section I	0.01
Section J	0.04
Section K	0.33

*Reductions reported are the average over the entire section. Individual locations may be higher or lower.

**Negative value indicates an increase in stage in the proposed scenario.

Stage Reduction Tables

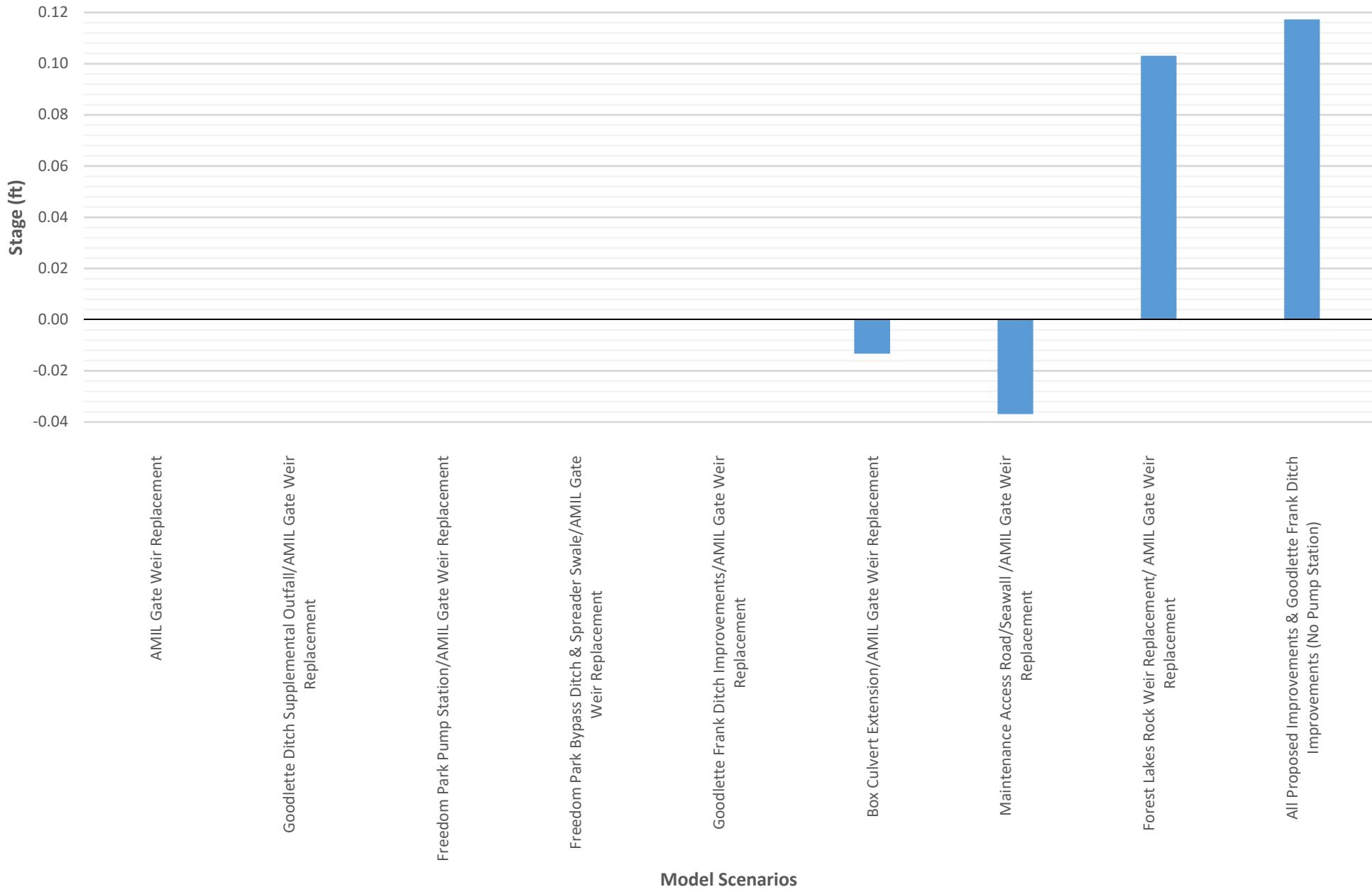
Stage Reduction Comparison Between Existing Conditions & All Proposed Improvements/Goodlette Frank Ditch Improvements (No Pump Station) (ft)	
	25YR - 3DAY
Section A	0.12
Section B	1.48
Section C	-0.07
Section D	0.73
Section E	1.10
Section F	0.18
Section G	0.48
Section H	2.18
Section I	1.18
Section J	2.85
Section K	3.01

*Reductions reported are the average over the entire section. Individual locations may be higher or lower.

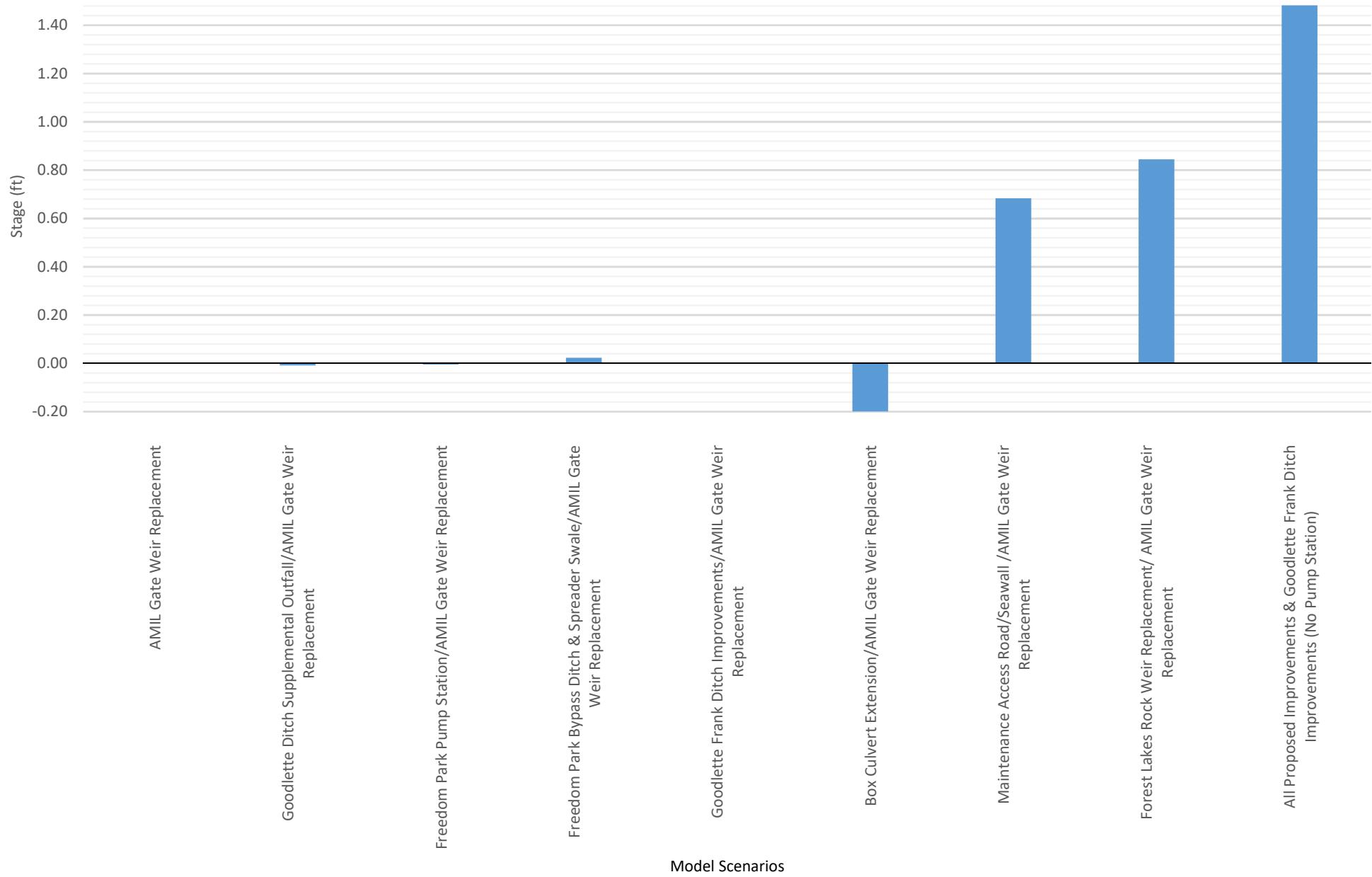
**Negative value indicates an increase in stage in the proposed scenario.

Appendix D. – Stage Reduction Charts

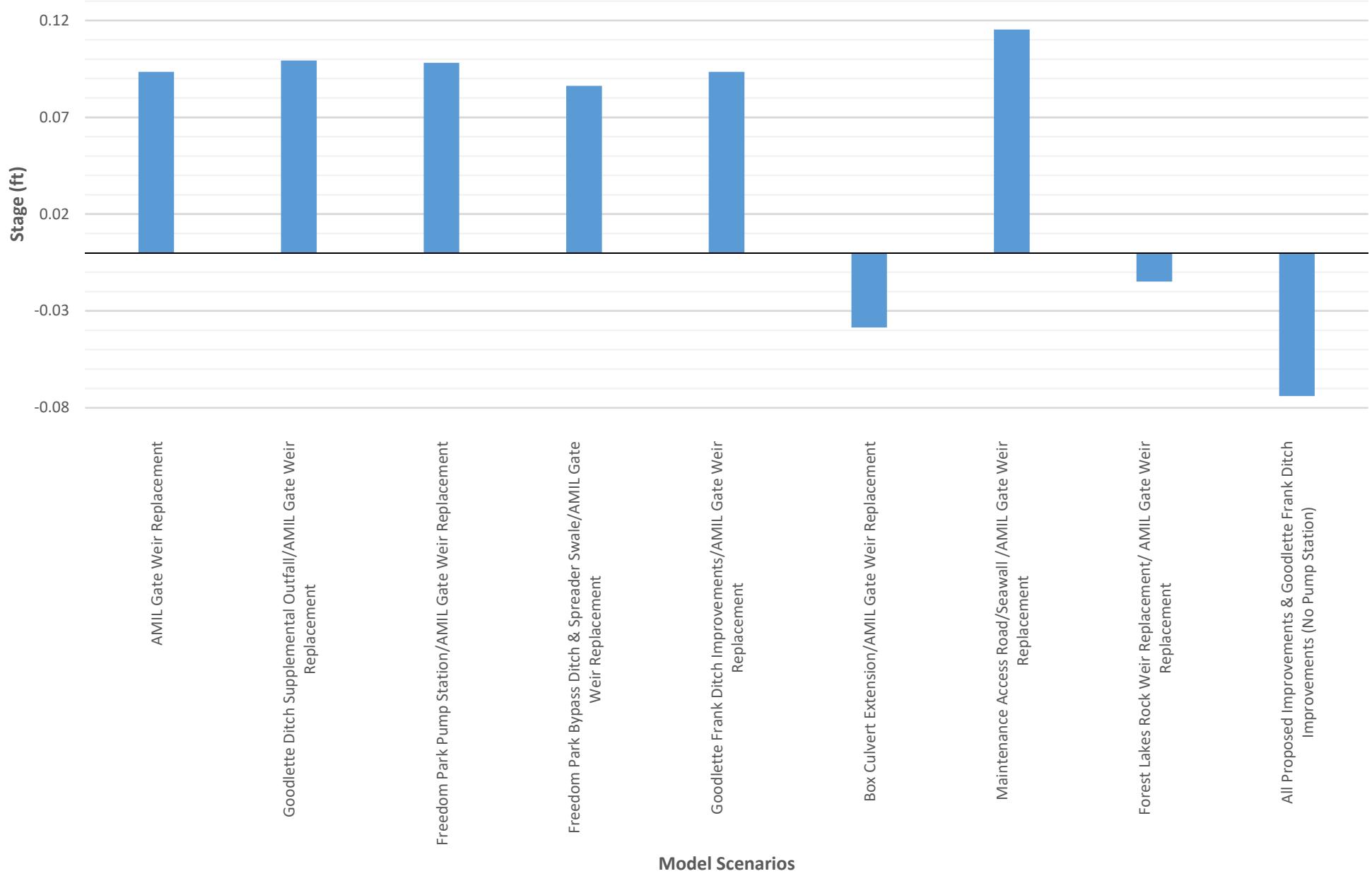
Section A Stage Reduction - 25YR 3DAY



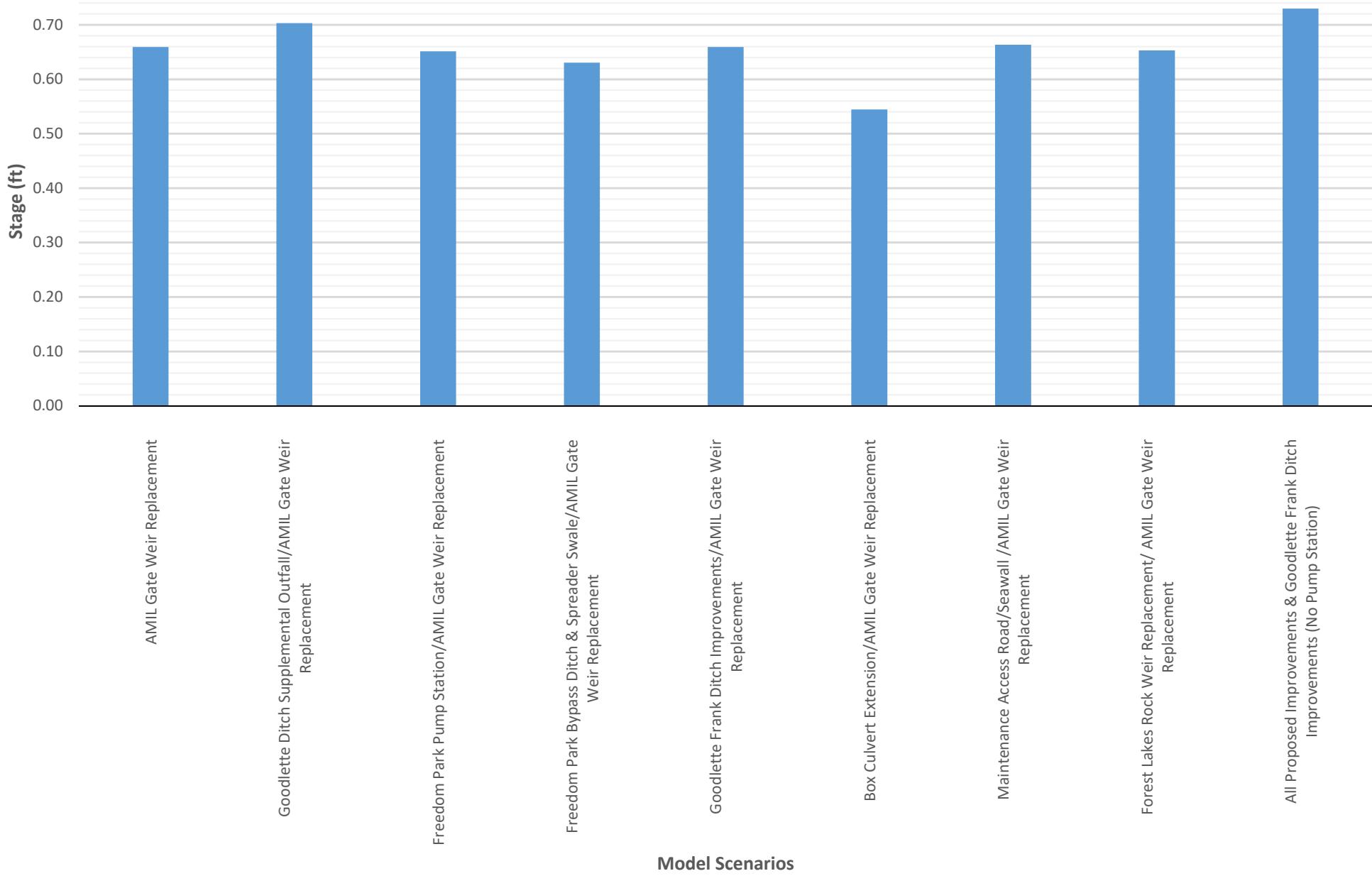
Section B Stage Reduction - 25YR 3DAY



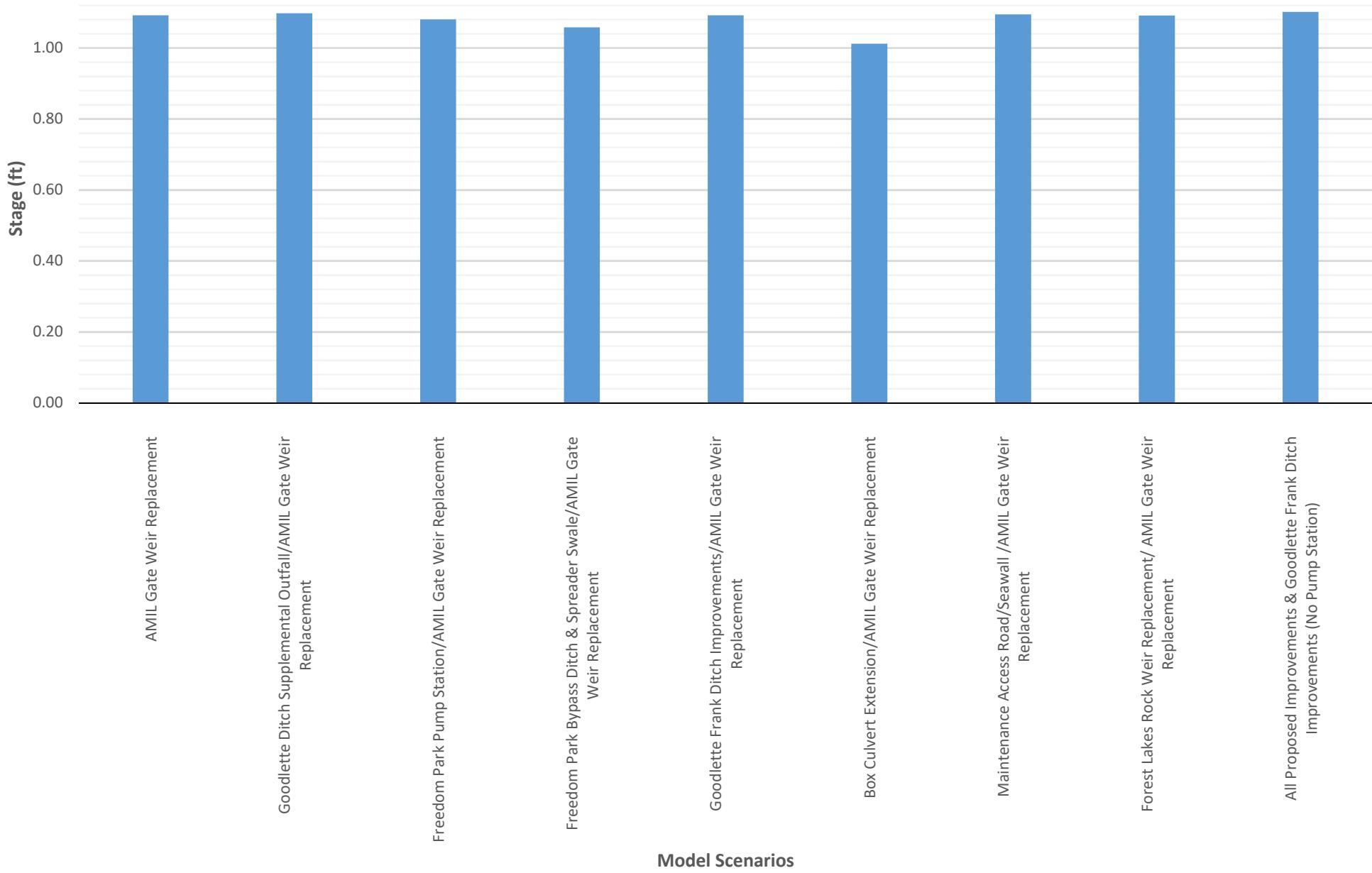
Section C Stage Reduction - 25YR 3DAY



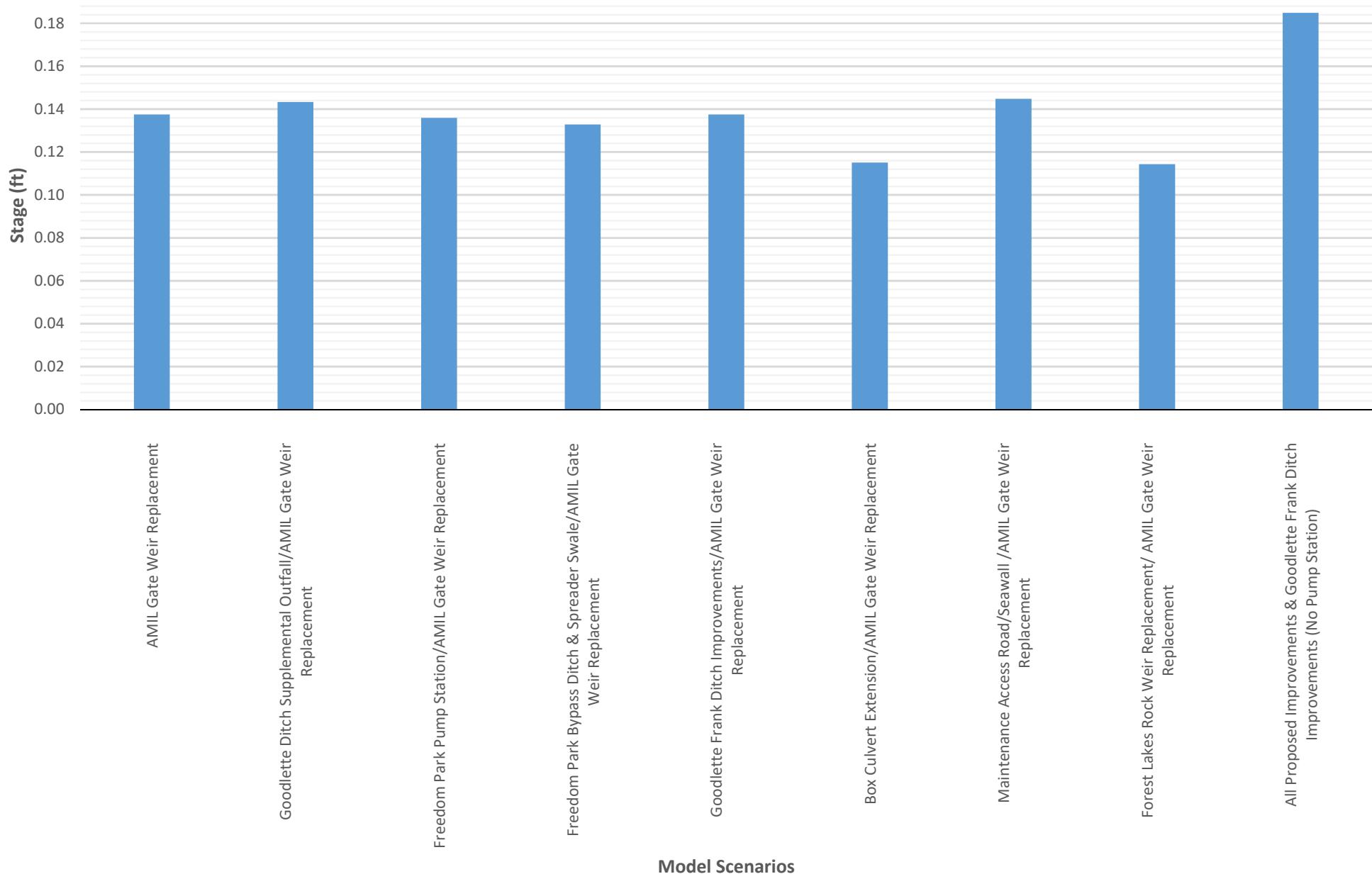
Section D Stage Reduction - 25YR 3DAY



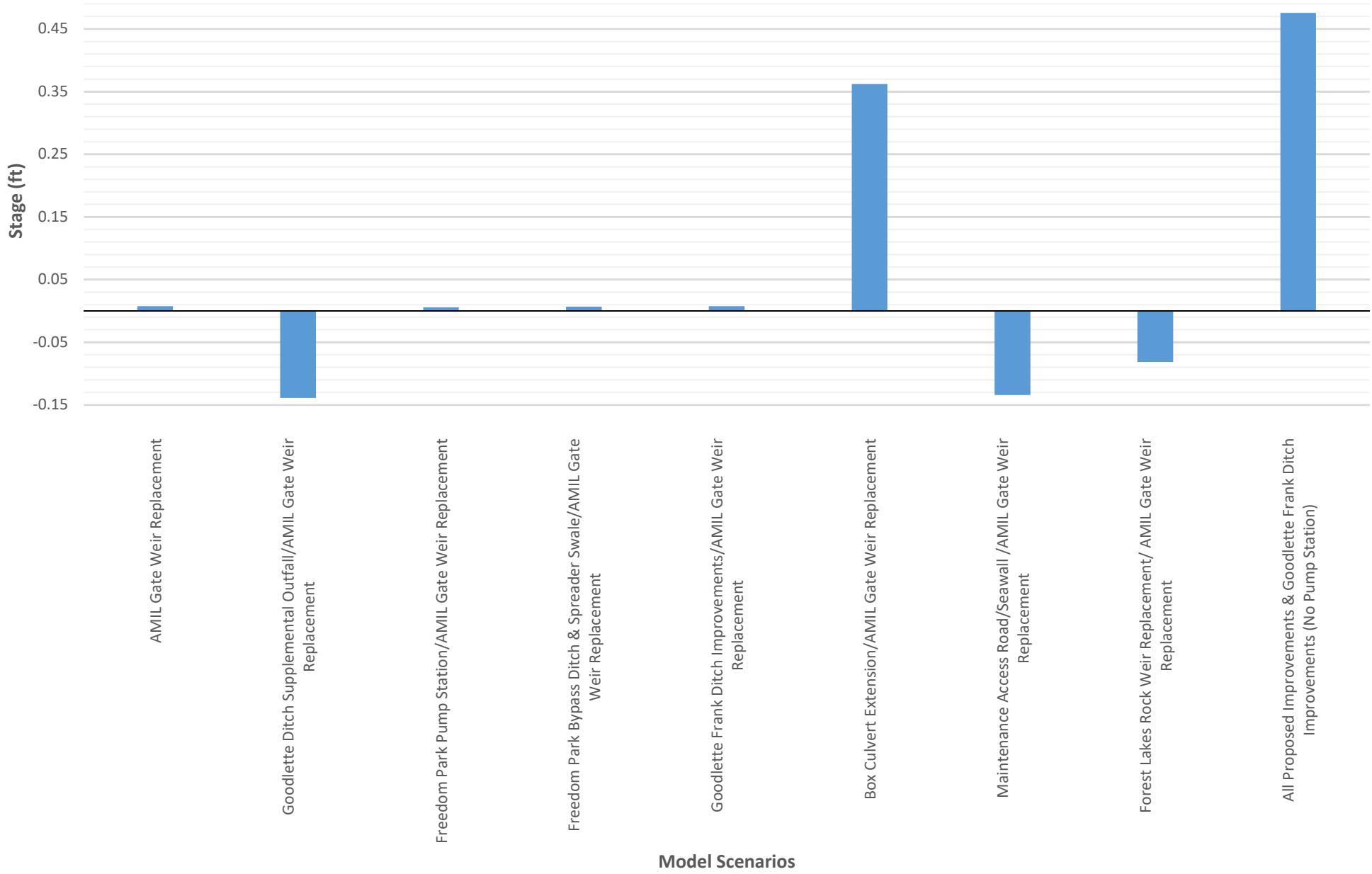
Section E Stage Reduction - 25YR 3DAY



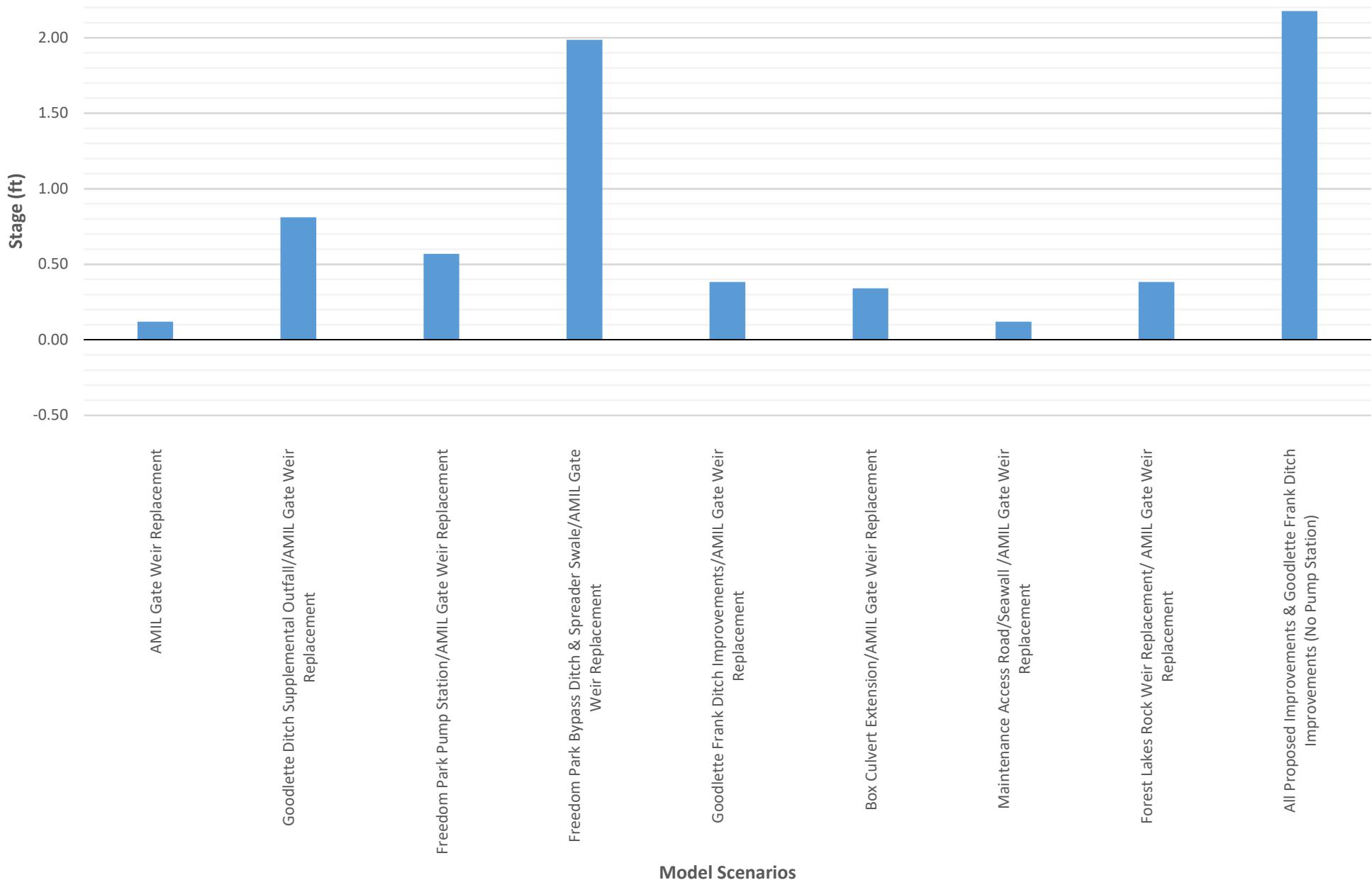
Section F Stage Reduction - 25YR 3DAY



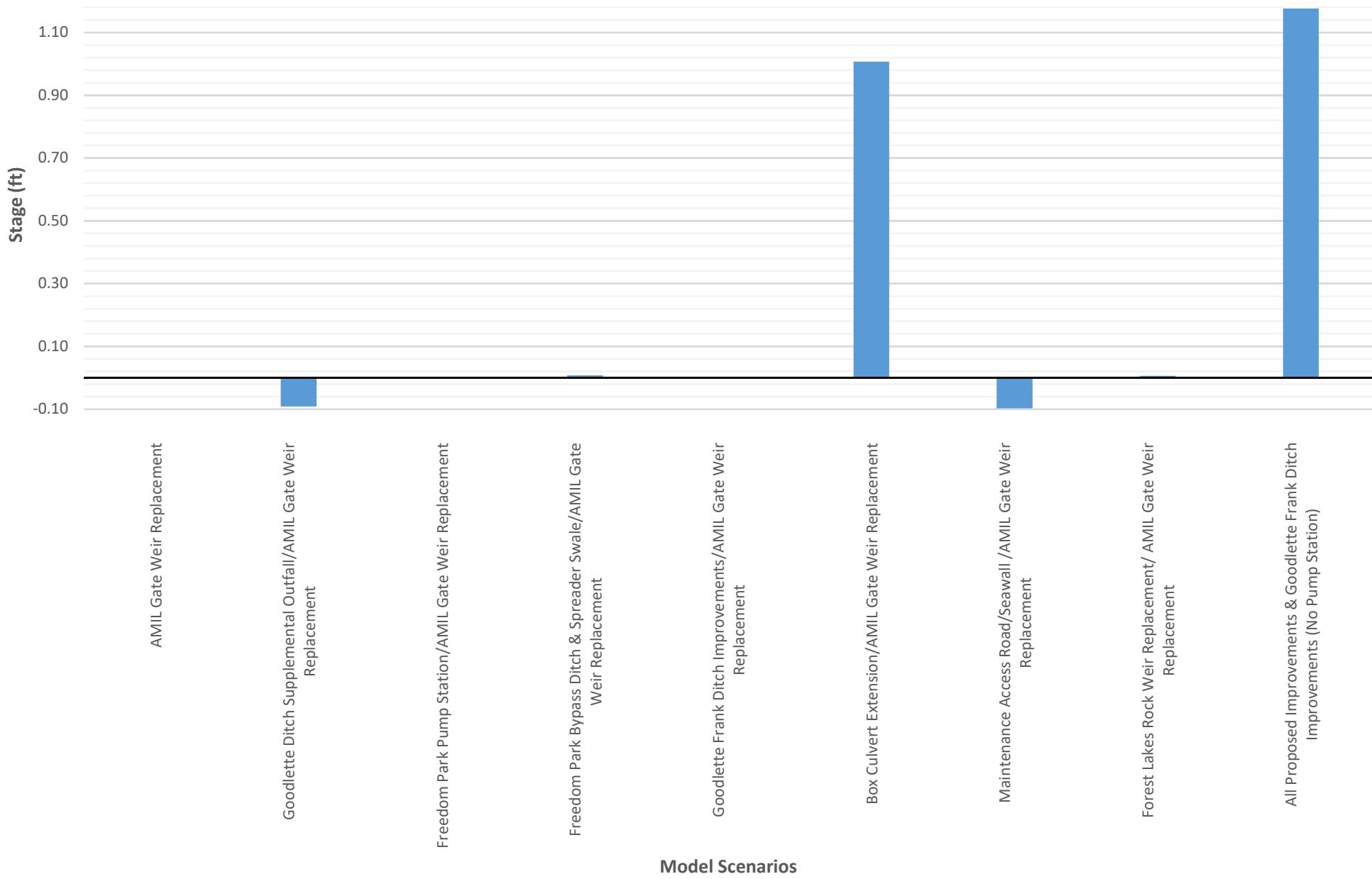
Section G Stage Reduction - 25YR 3DAY



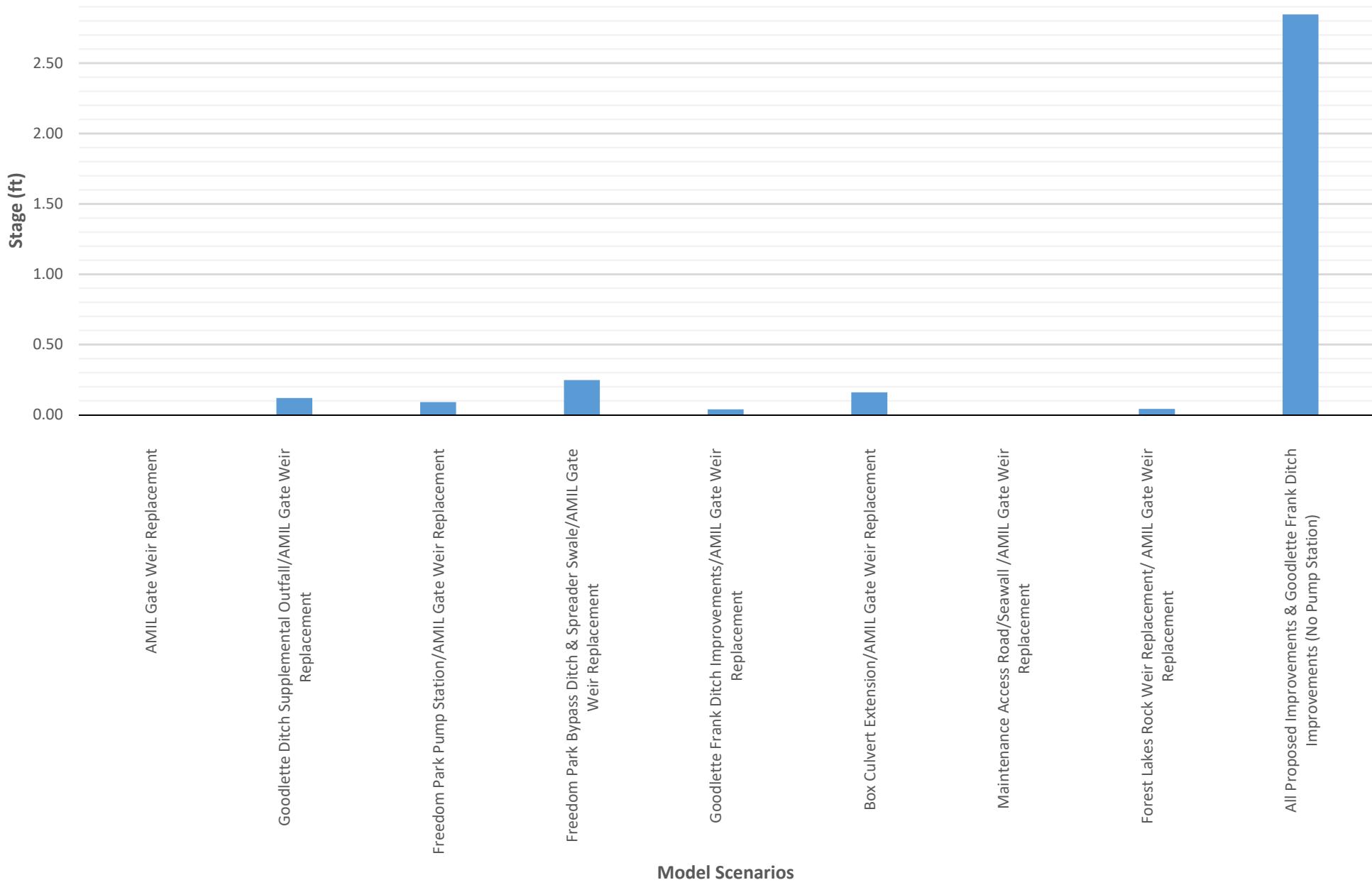
Section H Stage Reduction - 25YR 3DAY



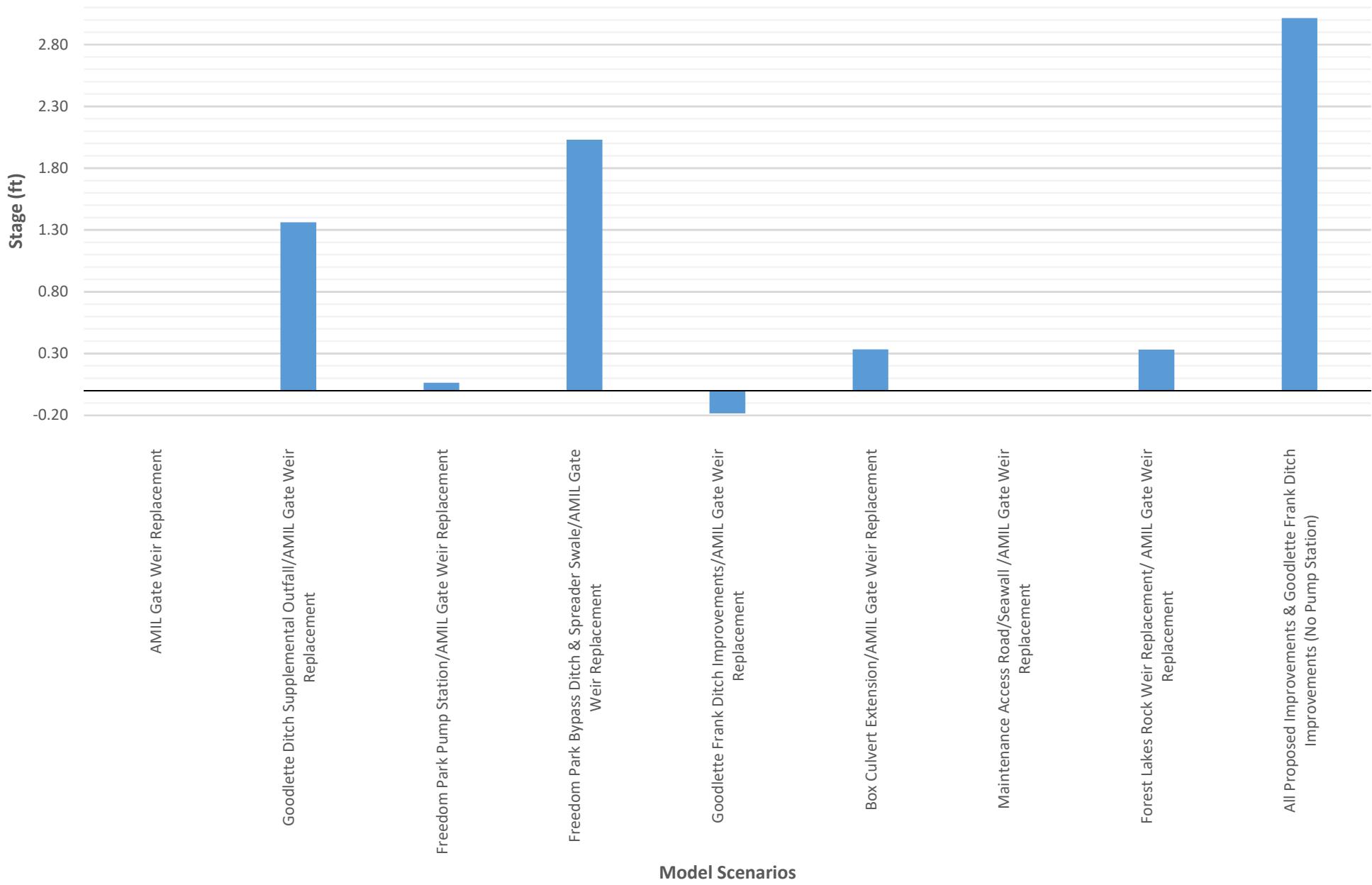
Section I Stage Reduction - 25YR 3DAY



Section J Stage Reduction - 25YR 3DAY



Section K Stage Reduction - 25YR 3DAY



Appendix E. – Conceptual Engineer’s Opinion of Probable Costs & Cost Benefit Analysis

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Conceptual Opinion of Probable Cost - AMIL Gate Weir Replacement

12/3/2018

Item	Description	Quantity	Unit	Unit Price	Total Cost
1	Mobilization	1	LS	\$ 165,000	\$ 165,000
2	Maintenance of Traffic	1	LS	\$ 20,000	\$ 20,000
3	Construction Survey Layout	1	LS	\$ 35,000	\$ 35,000
4	Sediment Barrier	260	LF	\$ 5	\$ 1,300
5	Floating Turbidity Barrier	160	LF	\$ 15	\$ 2,400
6	Monitor Existing Structure-Inspection and Settlement Monitoring	1	LS	\$ 13,600	\$ 13,600
7	Clearing and Grubbing	1	LS	\$ 10,000	\$ 10,000
8	Removal of Existing Weir Structures (AMIL Gate), Concrete	1	LS	\$ 120,000	\$ 120,000
9	Channel Excavation	850	CY	\$ 28	\$ 23,800
10	Ditch Finish Grading	1,000	SY	\$ 8	\$ 8,000
11	Optional Base, Base Group 02 (Aggregate Base 8")	138	SY	\$ 40	\$ 5,520
12	Dewatering	1	LS	\$ 450,000	\$ 450,000
13	Concrete Class IV Retaining Walls	75	CY	\$ 2,000	\$ 150,000
14	Reinforcing Steel- Retaining Wall	7,300	LB	\$ 2	\$ 14,600
15	Sheet Piling Steel	3,000	SF	\$ 80	\$ 240,000
16	Pipe Handrail - Guardrail, (Aluminum)	200	LF	\$ 110	\$ 22,000
17	Riprap Rubble (Ditch Lining) (18")	340	TN	\$ 100	\$ 34,000
18	Bedding Stone (8")	170	TN	\$ 100	\$ 17,000
19	Fencing, with Gates	1	LS	\$ 10,000	\$ 10,000
20	Performance Turf (Sod)	900	SY	\$ 10	\$ 9,000
21	Electrical Work, Control Panels, Switches, and Backup Generator	1	LS	\$ 35,000	\$ 35,000
22	Hinged Crest Gates	1	LS	\$ 1,300,000	\$ 1,300,000
23	Geoweb Stabilization (6"), Maintenance Access	1,000	SF	\$ 6	\$ 6,000
24	Modular Enclosure	1	LS	\$ 25,000	\$ 25,000
25	Staff Gauges	2	EA	\$ 5,000	\$ 10,000
Subtotal					\$ 2,727,220
Full Automation Estimated at 20% of Total Cost					\$ 545,444.00
Unforseen Conditions (20%) (allowance, water, sewer, electric, cable, conduits, rock excavation)					\$ 545,444.00
Design Cost (7%)					\$ 327,266.40
C.E.I. (7%)					\$ 359,993.04
Total					\$ 4,505,367

This Opinion of Probable Construction Cost (OPC) has been prepared by Agnoli, Barber, & Brundage, Inc. (ABB) at the request of owner or as a requirement of a governmental agency. ABB has based the unit costs of this OPC on previous work history with similar projects or on values provided by reputable contractors we have worked with. In accordance with F.A.C. 61G-1518.011, this is not a guarantee or warranty expressed or implied as to the construction cost that may be obtained by owner using competitive bidding. If such a guarantee is needed, it is recommended that owner procure the services of a professional cost estimator or obtain a binding bid from a contractor.

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Conceptual Opinion of Probable Cost - Goodlette Ditch Supplemental Outfall

12/3/2018

Item	Description	Quantity	Unit	Unit Price	Total Cost
1	Mobilization	1	LS	\$ 350,000	\$ 350,000
2	Maintenance of Traffic	1	LS	\$ 80,000	\$ 80,000
3	Construction Survey Layout	1	LS	\$ 60,000	\$ 60,000
4	Clearing and Grubbing	1	LS	\$ 60,000	\$ 60,000
5	Relocate Existing Utilities	1	LS	\$ 300,000	\$ 300,000
6	Lane Closure (17 Lanes)	14	DAY	\$ 17,000	\$ 238,000
7	Sidewalk Closure (4 Sidewalks)	14	DAY	\$ 800	\$ 11,200
8	Excavate	8,015	CY	\$ 25	\$ 200,375
9	Fill	7,165	CY	\$ 10	\$ 71,650
10	Haul	850	SY	\$ 15	\$ 12,750
11	Silt Fence	2,340	LF	\$ 5	\$ 11,700
12	5 X 12 Conc Box Culvert	1,430	LF	\$ 2,000	\$ 2,860,000
13	2" Crushed Shell	2,000	SY	\$ 24	\$ 48,000
14	4" Limerock Base	2,000	SY	\$ 10	\$ 20,000
15	Type "P" Inlet	6	EA	\$ 5,000	\$ 30,000
16	Sidewalk & Road Restoration	500	SY	\$ 100	\$ 50,000
17	General Restoration	1	LS	\$ 20,000	\$ 20,000
18	Riprap Rubble (Ditch Lining) (18")	3,560	SY	\$ 35	\$ 124,600
19	Weir Structure	30	CY	\$ 1,250	\$ 37,500
20	Geoweb Stabilization (6"), Maintenance Access	32,040	SF	\$ 6	\$ 192,240
21	Staff Gauges	2	EA	\$ 5,000	\$ 10,000
Subtotal					\$ 4,788,015
Unforeseen Conditions (20%) (allowance, water, sewer, electric, cable, conduits, rock excavation)					\$ 957,603
Design Cost (7%)					\$ 574,562
C.E.I. (7%)					\$ 632,018
Total					\$ 6,952,198

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Conceptual Opinion of Probable Cost - Freedom Park Stormwater Pump Station

12/3/2018

Item	Description	Quantity	Unit	Unit Price	Total Cost
1	Maintenance of Traffic	1	LS	\$ 3,000	\$ 3,000
2	Mobilization	1	LS	\$ 100,000	\$ 100,000
3	Construction Survey Layout	1	LS	\$ 35,000	\$ 35,000
4	Clearing and Grubbing	1	LS	\$ 5,000	\$ 5,000
5	Rock Excavation, Unclassified	1	LS	\$ 10,000	\$ 10,000
6	FDOT Type H Inlet	2	EA	\$ 6,000	\$ 12,000
7	Cut & Repair Pavement	45	SY	\$ 440	\$ 19,800
8	Dewatering	1	LS	\$ 40,000	\$ 40,000
9	Connection Mitered Grate Inlet	1	EA	\$ 2,500	\$ 2,500
10	54" RCP	875	LF	\$ 220	\$ 192,500
11	48" RCP	70	LF	\$ 205	\$ 14,350
12	42" RCP	20	LF	\$ 190	\$ 3,800
13	Connection Maintenance Building	1	LS	\$ 15,000	\$ 15,000
14	30" PVC Pipe	220	LF	\$ 200	\$ 44,000
15	24" PVC Pipe	230	LF	\$ 150	\$ 34,500
16	Solid Sod	280	SY	\$ 5	\$ 1,400
17	Stormwater Pump Station	1	EA	\$ 800,000	\$ 800,000
18	Type III Staked Silt Fence	1,500	LF	\$ 2	\$ 3,000
19	Floating Turbidity Barrier	200	LF	\$ 15	\$ 3,000
Subtotal					\$ 1,338,850
Unforeseen Conditions (20%) (allowance, water, sewer, electric, cable, conduits, rock excavation)					\$ 267,770
Design Cost (7%)					\$ 160,662
C.E.I. (7%)					\$ 176,728
Total					\$ 1,944,010

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Conceptual Opinion of Probable Cost - Freedom Park Bypass Ditch & Spreader Swale

12/3/2018

Item	Description	Quantity	Unit	Unit Price	Total Cost
1	Mobilization	1	LS	\$ 30,000	\$ 30,000
2	Construction Survey Layout	1	LS	\$ 25,000	\$ 25,000
3	Excavation	12,503	CY	\$ 25	\$ 312,575
4	Haul	12,503	CY	\$ 15	\$ 187,545
5	2" Crushed Shell	3,500	SY	\$ 24	\$ 84,000
6	4" Limerock Base	3,500	SY	\$ 10	\$ 35,000
7	Geoweb Stabilization (6")	1,800	SF	\$ 6	\$ 10,800
8	57 Stone Gravel (6")	1,800	SF	\$ 3	\$ 5,400
9	Fabric-Form Concrete Revetment	200	SY	\$ 50	\$ 10,000
10	Silt Fence	4,160	LF	\$ 5	\$ 20,800
11	Clearing and Grubbing	1	LS	\$ 30,000	\$ 30,000
12	Landscape Restoration	10,900	SY	\$ 10	\$ 109,000
Subtotal					\$ 860,120
Unforseen Conditions (20%) (allowance, water, sewer, electric, cable, conduits, rock excavation)					\$ 172,024
Design Cost (7%)					\$ 103,214
C.E.I. (7%)					\$ 113,536
Total					\$ 1,248,894

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Conceptual Opinion of Probable Cost - Goodlette Frank Ditch Improvements

12/3/2018

Item	Description	Quantity	Unit	Unit Price	Total Cost
1	Mobilization	1	LS	\$ 150,000	\$ 150,000
2	Maintenance of Traffic	1	LS	\$ 20,000	\$ 20,000
3	Construction Survey Layout	1	LS	\$ 35,000	\$ 35,000
4	5 X 12 Conc Box Culvert	278	LF	\$ 2,000	\$ 556,000
5	Excavation	19,080	CY	\$ 25	\$ 477,000
6	Fill	1,063	CY	\$ 10	\$ 10,630
7	Haul	18,017	SY	\$ 15	\$ 270,255
8	Silt Fence	12,420	LF	\$ 5	\$ 62,100
9	Fabric-Form Concrete Revetment	23,154	SY	\$ 50	\$ 1,157,689
10	Clearing and Grubbing	1	LS	\$ 15,000	\$ 15,000
11	Landscape Restoration	13,800	SY	\$ 10	\$ 138,000
12	Lane Closure	14	DAY	\$ 1,000	\$ 14,000
13	Utility Relocation	1	LS	\$ 100,000	\$ 100,000
Subtotal					\$ 3,005,674
Unforseen Conditions (20%) (allowance, water, sewer, electric, cable, conduits, rock excavation)					\$ 601,135
Design Cost (7%)					\$ 360,681
C.E.I. (7%)					\$ 396,749
Total					\$ 4,364,238

This Opinion of Probable Construction Cost (OPC) has been prepared by Agnoli, Barber, & Brundage, Inc. (ABB) at the request of owner or as a requirement of a governmental agency. ABB has based the unit costs of this OPC on previous work history with similar projects or on values provided by reputable contractors we have worked with. In accordance with F.A.C. 61G-1518.011, this is not a guarantee or warranty expressed or implied as to the construction cost that may be obtained by owner using competitive bidding. If such a guarantee is needed, it is recommended that owner procure the services of a professional cost estimator or obtain a binding bid from a contractor.

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Conceptual Opinion of Probable Cost - Solana/ Burning Tree Box Culvert Extension

12/3/2018

Item	Description	Quantity	Unit	Unit Price	Total Cost
1	Type C Inlet	5	EA	\$ 2,700	\$ 13,500
2	Excavate	5,176	CY	\$ 25	\$ 129,400
3	Haul	5,176	CY	\$ 15	\$ 77,640
4	4 X 11 Conc Box Culvert	1,941	LF	\$ 1,800	\$ 3,493,800
5	Re-sod & Re-grade	8,000	SF	\$ 5	\$ 40,000
6	Cut & Repair Pavement	130	SY	\$ 440	\$ 57,200
7	Silt Fence	800	LF	\$ 2	\$ 1,600
8	Dewatering	1	LS	\$ 40,000	\$ 40,000
9	Lane Closures	10	DAY	\$ 5,000	\$ 50,000
10	Mobilizing	1	LS	\$ 15,000	\$ 15,000
11	Maintenance of Traffic	1	LS	\$ 3,000	\$ 3,000
Subtotal					\$ 3,921,140
Unforeseen Conditions (20%) (allowance, water, sewer, electric, cable, conduits, rock excavation)					\$ 784,228
Demolition (10%)					\$ 392,114
Design Cost (7%)					\$ 470,537
CEI (7%)					\$ 517,590
R.O.W. Permit					\$ 3,000
Total					\$ 6,088,609

This Opinion of Probable Construction Cost (OPC) has been prepared by Agnoli, Barber, & Brundage, Inc. (ABB) at the request of owner or as a requirement of a governmental agency. ABB has based the unit costs of this OPC on previous work history with similar projects or on values provided by reputable contractors we have worked with. In accordance with F.A.C. 61G-1518.011, this is not a guarantee or warranty expressed or implied as to the construction cost that may be obtained by owner using competitive bidding. If such a guarantee is needed, it is recommended that owner procure the services of a professional cost estimator or obtain a binding bid from a contractor.

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Conceptual Opinion of Probable Cost - Maintenance Access Road / Seawall

12/3/2018

Item	Description	Quantity	Unit	Unit Price	Total Cost
1	Mobilization	1	LS	\$ 200,000	\$ 200,000
2	Maintenance of Traffic	1	LS	\$ 20,000	\$ 20,000
3	Construction Survey Layout	1	LS	\$ 80,000	\$ 80,000
4	Dredging	33,780	CY	\$ 25	\$ 844,500
5	Haul	30,965	CY	\$ 15	\$ 464,475
6	Seawall with Deadmen	3,790	LF	\$ 500	\$ 1,895,000
7	2" Crushed Shell	4,211	SY	\$ 24	\$ 101,067
8	4" Limerock Base	4,211	SY	\$ 10	\$ 42,111
9	Compacted Fill (98%)	2,815	CY	\$ 8	\$ 22,520
10	Silt Fence	3,790	LF	\$ 5	\$ 18,950
11	Clearing and Grubbing	1	LS	\$ 120,000	\$ 120,000
12	Landscape Restoration	2,106	SY	\$ 10	\$ 21,056
Subtotal					\$ 3,829,678
Unforseen Conditions (20%) (allowance, water, sewer, electric, cable, conduits, rock excavation)					\$ 765,936
Design Cost (7%)					\$ 459,561
C.E.I. (7%)					\$ 505,518
Total					\$ 5,560,693

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Conceptual Opinion of Probable Cost - Forest Lakes Rock Weir Replacement

12/3/2018

Item	Description	Quantity	Unit	Unit Price	Total Cost
1	Mobilization	1	LS	\$ 100,000	\$ 100,000
2	Demolition	1	LS	\$ 20,000	\$ 20,000
3	Construction Survey Layout	1	LS	\$ 35,000	\$ 35,000
4	Floating Turbidity Barrier	260	LF	\$ 15	\$ 3,900
5	Dredging	3,533	SY	\$ 25	\$ 88,325
6	Haul	3,533	SY	\$ 15	\$ 52,995
7	Silt Fence	356	LF	\$ 5	\$ 1,780
8	Dewatering	1	LS	\$ 300,000	\$ 300,000
9	Riprap Rubble (Ditch Lining) (18")	522	SY	\$ 35	\$ 18,270
10	Sluice Gates (25' x 3.5')	4	EA	\$ 90,000	\$ 360,000
11	Weir Structure	280	CY	\$ 1,250	\$ 350,000
12	Geoweb Stabilization (6"), Maintenance Access	4,698	SF	\$ 6	\$ 28,188
13	Staff Gauges	2	EA	\$ 5,000	\$ 10,000
14	Clearing and Grubbing	1	LS	\$ 15,000	\$ 15,000
15	Landscape Restoration	775	SY	\$ 10	\$ 7,750
Subtotal					\$ 1,391,208
Unforseen Conditions (20%) (allowance, water, sewer, electric, cable, conduits, rock excavation)					\$ 278,242
Design Cost (7%)					\$ 166,945
C.E.I. (7%)					\$ 183,639
Total					\$ 2,020,034

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Cost Benefit Analysis - Estimated Volume of Flooding Reduced per Dollar Spent

